
Vital Statistics

of the

United States, 1987

LIFE • TABLES



Volume II, Section 6

DHHS Publication No. (PHS) 90-1104

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control
National Center for Health Statistics

Hyattsville, Maryland
February 1990

COPYRIGHT INFORMATION

All material appearing in this report is in the public domain and may be reproduced or copied without permission; citation as to source, however, is appreciated.

SUGGESTED CITATION

National Center for Health Statistics. Vital Statistics of the United States, 1987; vol II sec 6 life tables. Washington: Public Health Service. 1990.

NATIONAL CENTER FOR HEALTH STATISTICS

MANNING FEINLEIB, M.D., Dr. P.H., *Director*

ROBERT A. ISRAEL, *Deputy Director*

JACOB J. FELDMAN, Ph.D., *Associate Director for Analysis and Epidemiology*
GAIL F. FISHER, Ph.D., *Associate Director for Planning and Extramural Programs*
PETER L. HURLEY, *Associate Director for Vital and Health Statistics Systems*
STEPHEN E. NIEBERDING, *Associate Director for Management*
CHARLES J. ROTHWELL, *Associate Director for Data Processing and Services*
MONROE G. SIRKEN, Ph.D., *Associate Director for Research and Methodology*

DIVISION OF VITAL STATISTICS

JOHN E. PATTERSON, *Director*

JAMES A. WEED, Ph.D., *Deputy Director*

ROBERT BILGRAD, *Special Assistant to the Director*

ROBERT J. ARMSTRONG, *Actuarial Adviser*

HARRY M. ROSENBERG, Ph.D., *Chief, Mortality Statistics Branch*

ROBERT L. HEUSER, *Chief, Natality/Marriage and Divorce Statistics Branch*

GEORGE A. GAY, *Chief, Registration Methods Branch*

WILLIAM F. PRATT, Ph.D., *Chief, Family Growth Survey Branch*

RONALD CHAMBLEE, *Chief, Technical Services Branch*

MABEL G. SMITH, *Chief, Statistical Resources Branch*

JOSEPH D. FARRELL, *Chief, Systems and Programming Branch*

PAUL J. PLACEK, Ph.D., *Chief, Followback Survey Branch*

Section 6. Life Tables

The life table program -----	1
Life table values -----	1
Trends and comparisons -----	2
Technical appendix -----	3
Population bases for computing life tables -----	4
Explanation of the columns of the life table -----	4
References -----	5
Text tables	
A. Expectation of life at selected ages, by race and sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, 1979-81, 1986, and 1987 -----	2
B. Average annual change in life expectancy at birth in years by race and sex: United States, 1900-1902 to 1969-71, 1969-71 to 1979-81, 1979-81 to 1984, 1984 to 1985, 1985 to 1986, and 1986 to 1987-----	3
C. Differences in life expectancy between males and females by race; and between white and black persons, by sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, 1979-81, 1984, 1985, 1986, and 1987 -----	3
D. Percent surviving from birth to selected ages, and median age at death, by race and sex: Death-registration States, 1900-1902, and United States, 1959-61, 1969-71, 1979-81, 1986, and 1987 -----	3
Tables	
6-1. Abridged life tables by race and sex: United States, 1987 -----	6
6-2. Number of survivors at single years of age, out of 100,000 born alive, by race and sex: United States, 1987 -----	10
6-3. Expectation of life at single years of age, by race and sex: United States, 1987 -----	11
6-4. Life table values by race and sex: Death-registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987 -----	12
6-5. Estimated average length of life in years, by race and sex: Death-registration States, 1900-28, and United States, 1929-87 ----	18

Guide to tables in section 6

	TABLE: 6	-1	-2	-3	-4	-5
	PAGE:	6	10	11	12	18
Years:						
1900-1987 -----						15
1987 only -----		1	2	3		
Specified years and 1987 -----					24	
Type of entry:						
Proportion dying (${}_nq_x$) -----		1				
Number surviving (${}_nL_x$) -----		1	2		4	
Number dying (${}_nd_x$) -----		1				
Stationary population (${}_nL_x$ and T_x) -----		1				
Average remaining lifetime (\dot{e}_x) -----		1		3	4	
Average length of life (\dot{e}_0) -----						5
Characteristics:						
Age by:						
Single years -----			2	3		
5-year intervals -----		1			4	
Race-specific -----		1	2	3	4	5
Sex-race specific -----		1	2	3	4	5
Sex-specific -----		1	2	3	4	5
Total population -----		1	2	3	4	5

¹Entire United States for 1929-87; death-registration States for 1900-28.

²Entire United States for specified years from 1929 to 1987; death-registration States for specified years from 1900 to 1921.

Death rates for a specific period may be summarized by the life table method to obtain measures of comparative longevity. There are two types of life tables—the generation or cohort life table and the current life table.

The generation life table provides a “longitudinal” perspective in that it follows the mortality experience of a particular cohort, all persons born in the year 1900, for example, from the moment of birth through consecutive ages in successive calendar years. Based on age-specific death rates observed during consecutive calendar years, the generation life table reflects the mortality experience of an actual cohort from birth until no lives remain in the group. To prepare just a single complete generation life table requires data over many years. It is not feasible to construct generation life tables entirely on the basis of actual data for cohorts born in this century (1). It is necessary to project data for the incomplete period for cohorts whose life spans are not yet complete (2).

The better-known current life table may, in contrast, be characterized as “cross sectional.” Unlike the generation life table, the current life table does not represent the mortality experience of an actual cohort. Rather, the current life table considers a hypothetical cohort and assumes that it is subject to the age-specific death rates observed for an actual population during a particular period. Thus, for example, a current life table for 1987 assumes a hypothetical cohort subject throughout its lifetime to the age-specific death rates prevailing for the actual population in 1987. The current life table may thus be characterized as rendering a “snapshot” of current mortality experience, and shows the long-range implications of a set of age-specific death rates that prevailed in a given year. In this section the term “life table” refers only to the current life table and not to the generation life table.

THE LIFE TABLE PROGRAM

Three series of life tables are prepared by the National Center for Health Statistics—complete, provisional abridged, and final abridged. The complete life tables for the U.S. population contain life table values for single years of age. They are based on decennial census data and deaths for a 3-year period around the census year and have been prepared since 1900. The provisional abridged life tables contain values by 5-year age groups and are based on a 10-percent sample of deaths. The final abridged life tables (referred to in this section as “abridged life tables”) also contain values by 5-year age groups but are based on a complete count of all reported deaths.

In response to a growing number of requests for postcensal life table values, a series of abridged life tables was

initiated in 1945. Available annually since that year, the abridged life tables are based on deaths occurring during the calendar year and on midyear postcensal population estimates provided by the U.S. Bureau of the Census. Refinements in both the techniques for estimating the population and the methods for constructing abridged life tables permit these tables to be prepared in a way that provides reasonably accurate data on current trends in expectation of life and survivorship. Beginning with 1945, abridged life tables have been constructed by reference to a standard table (3). Methodology developed by Greville was used in constructing life tables for 1945–52. Since 1953 a modified method has been employed (4). U.S. life tables for the decennial period 1979–81 are used as the standard table in constructing the 1987 abridged life tables.

The 1945 abridged life tables were prepared for white and all other males and females. Since 1946 abridged life tables for the total population have also been available, and since 1948 abridged life tables have been calculated for total males and total females. Beginning with 1951, additional abridged life tables have been calculated for the total white and total all other populations.

Numerous requests have been received annually for current life table statistics that are more detailed than those available in the abridged life tables. Therefore, tables showing l_x and e_x values by single years of age interpolated from the abridged life tables have been published since 1960.

The demand for information regarding up-to-date life table values was responsible for the introduction of a third series, provisional abridged life tables. Beginning with 1958, provisional abridged life tables have been published, for the total population only, in the “Annual Summary of Births, Marriages, Divorces, and Deaths, United States,” *Monthly Vital Statistics Report*; unpublished provisional life table data by race and sex are also produced annually. Values in these life tables are based on population estimates provided by the U.S. Bureau of the Census and on the estimated number of deaths derived from the Current Mortality Sample. The Current Mortality Sample consists of one-tenth of the death certificates filed in the vital statistics registration offices of each State, the District of Columbia, and New York City. The sample is taken by selecting 1 of every 10 death certificates received between two dates a month apart regardless of the month or year in which the death occurred.

LIFE TABLE VALUES

The data used to prepare the abridged U.S. life tables for 1987 are the final mortality statistics and the midyear

TRENDS AND COMPARISONS

estimates of the population by age, race, and sex prepared by the U.S. Bureau of the Census. Selected life table values for 1900–1902, 1959–61, 1969–71, 1979–81, and 1987 are shown in tables A and D.

Expectation of life—The most frequently used life table statistic is life expectancy (e_x), which is the average number of years of life remaining for persons who have attained a given age (x). Life expectancy and other life table values at specified ages in 1987 are shown for the total population and by race and sex in table 6–1. In addition, life expectancies at single years of age by race and sex are shown in table 6–3.

Life expectancy at birth for 1987 for the total population was 75.0 years. This represents the average number of years that the members of the life table cohort may expect to live at the time of birth (tables A and 6–1).

Survivors to specified ages—Another way of assessing the longevity of the life table cohort is by determining the proportion of it that survives to specified ages. The l_x column provides the data for computing the proportion. For instance, for the total population, 79,040 out of the original 1987 life table cohort of 100,000 (or 79.0 percent) were alive at exact age 65 (tables D and 6–2).

Median length of life—In addition to determining the proportion alive at a specified age, one can also compute the median age at death, the age at which exactly half the cohort (50,000 persons) still remain alive and half have died. For example, in 1987 the median age at death for the total population was 78.6 years (table D).

In 1987, life expectancy in the United States reached a new high of 75.0 years. Among the four race-sex groups (white males and females; black males and females), white females had the highest life expectancy at birth, 78.9 years, followed by black females, 73.6 years; white males, 72.2 years; and black males, 65.2 years (table A). The same order in life expectancy was maintained by each of the four race-sex groups at ages 1, 20, and 65 years.

Between 1986 and 1987, life expectancy increased for three out of the four race-sex groups (table B). The greatest increase was for white males, 0.2 years; the increase for white and black females was the same, 0.1 years. For black males, life expectancy remained unchanged between 1986 and 1987, following two consecutive years of decline.

Since the beginning of the century through the mid-1980's the average number of years added annually to life expectancy was greater than from 1984 through 1987 for each of the race-sex groups. While for white males life expectancy increased each year since 1984, for white females it increased for two of the three years; for black females, for only one of the three years; and for black males, life expectancy decreased for two of the three years, and remained unchanged for one year.

Life-expectancy differences between white males and females widened for many years after the beginning of the century, but recently the differences have narrowed (table C). For the white population the difference increased from

Table A. Expectation of life at selected ages by race and sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1986, and 1987

Life table value, period, and age	Total	White		All other			
				Total		Black	
		Male	Female	Male	Female	Male	Female
Expectation of life							
At birth:							
1987 -----	75.0	72.2	78.9	67.3	75.2	65.2	73.6
1986 -----	74.8	72.0	78.8	67.2	75.1	65.2	73.5
1979–81 -----	73.88	70.82	78.22	65.63	74.00	64.10	72.88
1969–71 -----	70.75	67.94	75.49	60.98	69.05	60.00	68.32
1959–61 -----	69.89	67.55	74.19	61.48	66.47	---	---
1900–1902 -----	49.24	48.23	51.08	---	---	32.54	35.04
At age 1 year:							
1987 -----	74.7	71.9	78.5	67.4	75.3	65.5	73.8
1986 -----	74.6	71.7	78.4	67.4	75.1	65.5	73.7
1979–81 -----	73.82	70.70	77.98	66.01	74.31	64.60	73.31
1969–71 -----	71.19	68.33	75.66	62.13	70.01	61.24	69.37
1959–61 -----	70.75	68.34	74.68	63.50	68.10	---	---
1900–1902 -----	55.20	54.61	56.39	---	---	42.46	43.54
At age 20 years:							
1987 -----	56.3	53.6	59.9	49.2	56.7	47.3	55.3
1986 -----	56.2	53.4	59.9	49.1	56.6	47.3	55.3
1979–81 -----	55.46	52.45	59.44	47.87	55.88	46.48	54.90
1969–71 -----	53.00	50.22	57.24	44.37	51.85	43.49	51.22
1959–61 -----	52.58	50.25	56.29	45.78	50.07	---	---
1900–1902 -----	42.79	42.19	43.77	---	---	35.11	36.89
At age 65 years:							
1987 -----	16.9	14.9	18.8	14.3	17.8	13.5	17.1
1986 -----	16.8	14.8	18.7	14.1	17.7	13.4	17.0
1979–81 -----	16.51	14.26	18.55	13.83	17.60	13.29	17.13
1969–71 -----	15.00	13.02	16.93	12.87	15.99	12.53	15.67
1959–61 -----	14.39	12.97	15.88	12.84	15.12	---	---
1900–1902 -----	11.86	11.51	12.23	---	---	10.38	11.38

SECTION 6 — LIFE TABLES — PAGE 3

Table B. Average annual change in life expectancy at birth in years by race and sex: United States, 1900–1902 to 1969–71, 1969–71 to 1979–81, 1979–81 to 1984, 1984 to 1985, 1985 to 1986, and 1986 to 1987

Period	White		Black	
	Male	Female	Male	Female
1986 to 1987 -----	+ 0.2	+ 0.1	0.0	+ 0.1
1985 to 1986 -----	+ 0.1	+ 0.1	- 0.1	0.0
1984 to 1985 -----	+ 0.1	0.0	- 0.3	- 0.2
1979–81 to 1984 -----	+ 0.3	+ 0.1	+ 0.4	+ 0.2
1969–71 to 1979–81 -----	+ 0.3	+ 0.3	+ 0.4	+ 0.5
1900–1902 to 1969–71 ----	+ 0.3	+ 0.4	+ 0.4	+ 0.5

Table C. Differences in life expectancy between males and females by race; and between white and black persons by sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1984, 1985, 1986, and 1987

Period	Female-Male		White-Black	
	White	Black	Male	Female
1987 -----	6.7	8.4	7.0	5.3
1986 -----	6.8	8.3	6.8	5.3
1985 -----	6.8	8.2	6.6	5.2
1984 -----	6.9	8.1	6.2	5.0
1979–81 -----	7.40	8.78	6.72	5.34
1969–71 -----	7.55	8.32	7.94	7.17
1959–61 -----	6.64	---	---	---
1900–1902 -----	2.85	2.50	15.69	16.04

2.9 years in 1900–1902 to 7.6 years by 1969–71; the difference narrowed to 6.8 years in 1985 and 6.7 years by 1987. For the black population, the difference increased from 2.5 years in 1900–1902 to 8.8 by 1979–81; it narrowed to 8.1 by 1984, and steadily increased to 8.4 years in 1987.

Life-expectancy differences between the races have generally narrowed since the beginning of the century (table C), though they began widening in 1985. By 1987, white males had a life expectancy that was 7.0 years greater than that of black males compared with a difference of 6.8 years in 1986 and 15.7 years in 1900–1902. For women the race difference in life expectancy diminished from 16.0 years in 1900–1902 to 5.3 years in 1986 and 1987 (table C).

In 1987, among the four race-sex groups, the percent surviving from birth to age 65 years for white females was 85.9; black females, 75.1; white males, 75.1; and black males, 58.4. Median age at death in 1987 showed the same order among the four race-sex groups as the life expectancy (table D).

TECHNICAL APPENDIX

The geographic areas covered in life tables before 1929–31 were limited to the death-registration areas. Life tables for 1900–1902 and 1909–11 were constructed using mortality data from the 1900 death-registration States (10 States and

Table D. Percent surviving from birth to selected ages, and median age at death, by race and sex: Death-registration States, 1900–1902, and United States, 1959–61, 1969–71, 1979–81, 1986, and 1987

Life table value, period, and age	Total	White		All other			
		Male	Female	Total		Black	
				Male	Female	Male	Female
Percent surviving from birth							
To age 1 year:							
1987 -----	99.0	99.0	99.2	98.3	98.6	98.0	98.4
1986 -----	99.0	99.0	99.2	98.3	98.6	98.0	98.4
1979–81 -----	98.7	98.8	99.0	97.9	98.3	97.7	98.1
1969–71 -----	98.0	98.0	98.5	96.6	97.2	96.4	97.1
1959–61 -----	97.4	97.4	98.0	95.3	96.2	---	---
1900–1902 -----	87.6	86.7	88.9	---	---	74.7	78.5
To age 20 years:							
1987 -----	98.1	98.0	98.7	97.0	97.9	96.6	97.6
1986 -----	98.1	97.9	98.6	97.0	97.9	96.6	97.6
1979–81 -----	97.7	97.5	98.4	96.4	97.4	96.1	97.2
1969–71 -----	96.7	96.5	97.6	94.3	95.9	94.1	95.7
1959–61 -----	96.1	95.9	97.1	93.1	94.7	---	---
1900–1902 -----	77.2	76.4	79.0	---	---	56.7	59.1
To age 65 years:							
1987 -----	79.0	75.1	85.9	62.9	77.9	58.4	75.1
1986 -----	78.8	74.8	85.7	62.5	77.7	58.1	74.9
1979–81 -----	77.1	72.4	84.8	58.5	75.4	55.1	73.3
1969–71 -----	71.9	66.3	81.6	49.6	66.1	47.5	64.7
1959–61 -----	71.1	65.8	80.7	51.4	60.8	---	---
1900–1902 -----	40.9	39.2	43.8	---	---	19.0	22.0
Median age at death:							
1987 -----	78.6	75.6	82.3	71.1	79.1	68.9	77.5
1986 -----	78.4	75.4	82.2	70.9	78.9	68.8	77.3
1979–81 -----	77.6	74.2	81.8	69.0	77.8	67.4	76.6
1969–71 -----	74.9	71.5	79.5	64.8	72.8	63.8	72.2
1959–61 -----	74.3	71.4	78.5	65.6	70.6	---	---
1900–1902 -----	58.4	57.2	60.6	---	---	29.8	34.3

the District of Columbia) and for 1919–21 from the 1920 death-registration States (34 States and the District of Columbia). The tables for 1929–31 through 1958 cover the conterminous United States. Decennial life table values for the 3-year period 1959–61 were derived from data which include both Alaska and Hawaii for each year (table 6–4). Data for each year shown in table 6–5 include Alaska beginning in 1959 and Hawaii beginning in 1960. However, it is not believed that the inclusion of these two States materially affects life table values.

Revised life table values, 1961–82—Life table values for 1961–69 and 1971–79 are based on revised intercensal estimates of the populations for those years and were constructed using the U.S. decennial life tables for 1959–61 and 1969–71, respectively, as the standard tables. Life table values for 1970–73 have also been revised by using the 1969–71 decennial life tables as the standard tables. Previously published abridged life tables for 1970–73 were constructed using the 1959–61 decennial life tables as the standard tables because the 1969–71 decennial life tables were not yet available.

The 1979–81 decennial life tables have been used as the standard life tables for the 1983–87 life tables as well as for revised life table values for 1980–82 shown in this section.

New Jersey data, 1962–64—The life tables for 1962 and 1963 for the six population groups involving race do not include data from New Jersey. This State omitted the item on race from its certificates of live birth, death, and fetal death in use at the beginning of 1962. The item was restored during the latter part of 1962. However, the certificate revision without this item was used for most of 1962 as well as for 1963. For computing vital rates, populations by age, race, and sex (excluding New Jersey) were estimated to obtain comparable denominators. Approximately 7 percent of the New Jersey death records for 1964 did not contain the race designation. When the records were being electronically processed for this State, the “race not stated” deaths were allocated to white or to black.

Nonresidents—Beginning in 1970 the deaths of nonresidents of the United States have been excluded from the life table statistics.

Estimates for single calendar years—There has been an increasing interest in data on the average length of life (e_x) for single calendar years prior to 1945, when the annual abridged life table series was initiated. The figures in table 6–5 for groups by race and sex for the following years were estimated to meet these needs (5).

Years	Race and Sex
1900–45 -----	Total
1900–47 -----	Male
1900–47 -----	Female
1900–50 -----	White
1900–44 -----	White male
1900–44 -----	White female
1900–50 -----	All other
1900–44 -----	All other male
1900–44 -----	All other female

POPULATION BASES FOR COMPUTING LIFE TABLES

The population used for computing life table values shown in this section (furnished by the U.S. Bureau of the Census) represents the resident population of the United States. The populations used for computing the 1987 life table values are estimated as of July 1, 1987, and are based on the 1980 census levels (6). The 1980 census counts by race were modified to be consistent with Office of Management and Budget categories and historical categories for death data. For a detailed discussion of modification procedures, see U.S. Bureau of the Census (7).

Population estimates used to compute death rates for 1984–87 incorporate new estimation procedures for net migration and net undocumented immigration. Death rates for 1987 are comparable with those for 1984–86, but are not strictly comparable with those for previous years. For additional details, see the Technical Appendix in *Vital Statistics of the United States, 1987* (Vol. II, Mortality, Pt. A), and U.S. Bureau of the Census (8).

EXPLANATION OF THE COLUMNS OF THE LIFE TABLE

Column 1—Age interval (x to $x + n$)—The age interval shown in column 1 is the interval between the two exact ages indicated. For instance, “20–25” means the 5-year interval between the 20th and 25th birthdays.

Column 2—Proportion dying (${}_nq_x$)—This column shows the proportion of the cohort who are alive at the beginning of an indicated age interval and who will die before reaching the end of that age interval. For example, for males in the age interval 20–25, the proportion dying is 0.0085: Out of every 1,000 males alive and exactly 20 years of age at the beginning of the period, about 9 will die before reaching their 25th birthday. In other words, the ${}_nq_x$ values represent *probabilities* that persons who are alive at the beginning of a specific age interval will die before reaching the beginning of the next age interval. The “proportion dying” column forms the basis of the life table. The life table is so constructed that all other columns are derived from it.

Column 3—Number surviving (l_x)—This column shows the number of persons, starting with a cohort of 100,000 live births, who survive to the exact age marking the beginning of each age interval. The l_x values are computed from the ${}_nq_x$ values, which are successively applied to the remainder of the original 100,000 persons still alive at the beginning of each age interval. Thus out of 100,000 male babies born alive, 98,880 will complete the first year of life and enter the second; 98,656 will begin the sixth year; 97,758 will reach age 20; and 20,513 will live to age 85.

Column 4—Number dying (${}_nd_x$)—This column shows the number dying in each successive age interval out of 100,000 live births. Out of 100,000 males born alive, 1,120 will die in the first year of life; 224 in the succeeding 4 years; 834 in the 5-year period between exact ages 20 and

SECTION 6 — LIFE TABLES — PAGE 5

25, and 20,513 will die after reaching age 85. Each figure in column 4 is the difference between two successive figures in column 3.

Columns 5 and 6—Stationary population (${}_nL_x$ and T_x)— Suppose that a group of 100,000 individuals like that assumed in columns 3 and 4 is born every year and that the proportions dying in each such group in each age interval throughout the lives of the members are exactly those shown in column 2. If there were no migration and if the births were evenly distributed over the calendar year, the survivors of these births would make up what is called a stationary population—stationary because in such a population the number of persons living in any given age group would never change. When individuals left the group, either by death or by growing older and entering the next higher age group, their places would immediately be taken by persons entering from the next lower age group. Thus a census taken at any time in such a stationary community would always show the same total population and the same numerical distribution of that population among the various age groups. In such a stationary population supported by 100,000 annual births, column 3 shows the number of persons who, each year, reach the birthday that marks the beginning of the age interval indicated in column 1, and column 4 shows the number of persons who die each year in the indicated age interval.

Column 5 shows the number of persons in the stationary population in the indicated age interval. For example, the figure given for males in the age interval 20–25 is 486,750. This means that in a stationary population of males supported by 100,000 annual births and with proportions dying in each age group always in accordance with column 2, a census taken on any date would show 486,750 persons between exact ages 20 and 25.

Column 6 shows the total number of persons in the stationary population (column 5) in the indicated age interval and all subsequent age intervals. For example, in the stationary population of males referred to in the last illustration, column 6 shows that there would be at any given moment a total of 5,178,242 persons who have passed their 20th birthday. The male population at all ages 0 and above (the total male population of the stationary community) would be 7,147,815.

Column 7—Average remaining lifetime (\hat{e}_x)—The average remaining lifetime (also called expectation of life) at any given age is the average number of years remaining to be lived by those surviving to that age on the basis of a given set of age-specific rates of dying. To arrive at this value, it is first necessary to observe that the figures in column 5 of the life table can also be interpreted in terms of a single life table cohort without introducing the concept of the stationary population. From this point of view, each figure in column 5 represents the total time (in years) lived between two indicated birthdays by all those reaching the earlier birthday among the survivors of a cohort of 100,000 live births. Thus the figure 486,750 for males in the age interval 20–25 is the total number of years lived between the 20th and 25th birthdays by the 97,758 (column 3) who reached the 20th birthday out of 100,000 males

born alive. The corresponding figure 5,178,242 in column 6 is the total number of years lived after attaining age 20 by the 97,758 reaching that age. This number of years divided by the number of persons (5,178,242 divided by 97,758) gives 53.0 years as the average remaining lifetime of males at age 20.

SYMBOLS

Data not available -----	---
Category not applicable -----	...
Quantity zero -----	-
Quantity more than zero but less than 0.05 -----	0.0
Quantity more than zero but less than 500 where numbers are rounded to thousands -----	Z
Figure does not meet standards of reliability or precision -----	*

REFERENCES

1. Shryock HS, Siegel JS, et al. The Methods and materials of demography, Vol. 2. U.S. Bureau of the Census. Washington: U.S. Government Printing Office. 1971.
2. Moriyama IM, Gustavus SO. Cohort mortality and survivorship, United States death-registration States, 1900–68. National Center for Health Statistics. Vital Health Stat 3(16). DHEW Pub. No. (HSM) 73–1400. Health Services and Mental Health Administration. Washington: U.S. Government Printing Office. 1972.
3. Greville TNE, Carlson GA. Method of constructing the abridged life tables for the United States, 1949. National Office of Vital Statistics. Vital Statistics-Special Reports. Vol. 33, No. 15. Washington: Public Health Service. 1953.
4. Sirken MG. Comparison of two methods of constructing abridged life tables by reference to a "standard" table. National Center for Health Statistics. Vital Health Stat 2(4). 1966.
5. Greville TNE, Carlson GA. Estimated average length of life in the death-registration States. National Office of Vital Statistics. Vital Statistics-Special Reports. Vol. 33, No. 9. Washington: Public Health Service. 1951.
6. U.S. Bureau of the Census. United States population estimates, by age, sex, and race: 1980 to 1987. Current population reports; series P-25, no 1022. Washington: U.S. Government Printing Office. 1988.
7. U.S. Bureau of the Census. Preliminary estimates of the population of the United States, by age, sex, and race: 1970 to 1981. Current population reports; series P-25, no 917. Washington: U.S. Government Printing Office. 1982.
8. U.S. Bureau of the Census. Estimates of the population of the United States, by age, sex, and race: 1980 to 1985. Current population reports; series P-25, no 985. Washington: U.S. Government Printing Office. 1986.

SECTION 6 - LIFE TABLES - PAGE 6

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1987

Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
x to $x + n$	nq_x	l_x	nd_x	nL_x	T_x	e_x
ALL RACES						
0-1	0.0101	100,000	1,011	99,135	7,486,306	75.0
1-5 .....	.0020	98,989	201	395,465	7,397,171	74.7
5-10 .....	.0012	98,783	121	493,611	7,001,686	70.9
10-15 .....	.0013	98,667	131	493,081	6,508,075	66.0
15-20 .....	.0042	98,536	414	491,741	6,014,994	61.0
20-25 .....	.0057	98,122	555	489,250	5,523,253	56.3
25-30 .....	.0060	97,567	587	486,366	5,034,003	51.6
30-35 .....	.0073	96,980	707	483,174	4,547,637	46.9
35-40 .....	.0093	96,273	900	479,243	4,064,463	42.2
40-45 .....	.0124	95,373	1,178	474,130	3,585,220	37.6
45-50 .....	.0191	94,195	1,799	466,809	3,111,090	33.0
50-55 .....	.0307	92,397	2,841	455,329	2,644,281	28.6
55-60 .....	.0473	89,556	4,240	437,789	2,188,952	24.4
60-65 .....	.0736	85,316	6,276	411,740	1,751,163	20.5
65-70 .....	.1059	79,040	8,368	375,183	1,339,423	16.9
70-75 .....	.1585	70,672	11,203	326,327	964,240	13.6
75-80 .....	.2292	59,469	13,630	264,101	637,913	10.7
80-85 .....	.3407	45,839	15,619	190,359	373,812	8.2
85 and over	1.0000	30,220	30,220	183,453	183,453	6.1
MALE						
0-1 .....	.0112	100,000	1,120	99,038	7,147,815	71.5
1-5 .....	.0023	98,880	224	395,001	7,048,777	71.3
5-10 .....	.0015	98,656	145	492,884	6,653,776	67.4
10-15 .....	.0017	98,511	169	492,247	6,160,892	62.5
15-20 .....	.0059	98,342	584	490,403	5,668,645	57.6
20-25 .....	.0085	97,758	834	486,750	5,178,242	53.0
25-30 .....	.0088	96,924	851	482,469	4,691,492	48.4
30-35 .....	.0104	96,073	1,002	477,890	4,209,023	43.8
35-40 .....	.0130	95,071	1,234	472,426	3,731,133	39.2
40-45 .....	.0165	93,837	1,548	465,582	3,258,707	34.7
45-50 .....	.0247	92,289	2,278	456,173	2,793,125	30.3
50-55 .....	.0396	90,011	3,565	441,710	2,336,952	26.0
55-60 .....	.0615	86,446	5,320	419,678	1,895,242	21.9
60-65 .....	.0957	81,126	7,760	387,232	1,475,564	18.2
65-70 .....	.1366	73,366	10,020	342,720	1,088,332	14.8
70-75 .....	.2060	63,346	13,051	284,848	745,612	11.8
75-80 .....	.2949	50,295	14,830	214,531	460,764	9.2
80-85 .....	.4216	35,465	14,952	139,084	246,233	6.9
85 and over	1.0000	20,513	20,513	107,149	107,149	5.2
FEMALE						
0-1 .....	.0090	100,000	896	99,236	7,836,924	78.4
1-5 .....	.0018	99,104	177	395,993	7,737,688	78.1
5-10 .....	.0010	98,927	96	494,374	7,341,695	74.2
10-15 .....	.0009	98,831	91	493,958	6,847,321	69.3
15-20 .....	.0024	98,740	237	493,145	6,353,363	64.3
20-25 .....	.0027	98,503	271	491,850	5,860,218	59.5
25-30 .....	.0032	98,232	317	490,384	5,368,368	54.6
30-35 .....	.0042	97,915	409	488,600	4,877,984	49.8
35-40 .....	.0058	97,506	562	486,224	4,389,384	45.0
40-45 .....	.0084	96,944	810	482,845	3,903,160	40.3
45-50 .....	.0137	96,134	1,319	477,612	3,420,315	35.6
50-55 .....	.0224	94,815	2,122	469,099	2,942,703	31.0
55-60 .....	.0342	92,693	3,174	455,998	2,473,604	26.7
60-65 .....	.0540	89,519	4,831	436,220	2,017,606	22.5
65-70 .....	.0796	84,688	6,737	407,479	1,581,386	18.7
70-75 .....	.1213	77,951	9,458	367,324	1,173,907	15.1
75-80 .....	.1840	66,493	12,604	312,442	806,583	11.8
80-85 .....	.2937	55,889	16,416	239,551	494,141	8.8
85 and over	1.0000	39,473	39,473	254,590	254,590	6.4

SECTION 6 - LIFE TABLES - PAGE 7

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1987—Con.

Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
x to $x+n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
WHITE						
0-1	0.0086	100,000	864	99,261	7,561,427	75.6
1-5 .....	.0018	99,136	182	396,118	7,462,166	75.3
5-10 .....	.0011	98,954	113	494,463	7,066,048	71.4
10-15 .....	.0013	98,841	124	493,969	6,571,585	66.5
15-20 .....	.0041	98,717	408	492,656	6,077,616	61.6
20-25 .....	.0052	98,309	508	490,291	5,584,960	56.8
25-30 .....	.0053	97,801	521	487,689	5,094,669	52.1
30-35 .....	.0062	97,280	606	484,918	4,606,980	47.4
35-40 .....	.0079	96,674	764	481,570	4,122,062	42.6
40-45 .....	.0108	95,910	1,033	477,158	3,640,492	38.0
45-50 .....	.0171	94,877	1,622	470,647	3,163,334	33.3
50-55 .....	.0282	93,255	2,626	460,149	2,692,687	28.9
55-60 .....	.0447	90,629	4,055	443,626	2,232,538	24.6
60-65 .....	.0704	86,574	6,097	418,500	1,788,912	20.7
65-70 .....	.1029	80,477	8,277	382,641	1,370,412	17.0
70-75 .....	.1559	72,200	11,257	333,895	987,771	13.7
75-80 .....	.2277	60,943	13,880	270,938	653,876	10.7
80-85 .....	.3386	47,063	15,936	195,736	382,938	8.1
85 and over	1.0000	31,127	31,127	187,202	187,202	6.0
WHITE, MALE						
0-1 .....	.0096	100,000	963	99,174	7,221,252	72.2
1-5 .....	.0021	99,037	203	395,679	7,122,078	71.9
5-10 .....	.0014	98,834	136	493,799	6,726,399	68.1
10-15 .....	.0016	98,698	159	493,206	6,232,600	63.1
15-20 .....	.0058	98,539	569	491,415	5,739,394	58.2
20-25 .....	.0078	97,970	766	487,961	5,247,979	53.6
25-30 .....	.0078	97,204	756	484,093	4,760,018	49.0
30-35 .....	.0090	96,448	864	480,101	4,275,925	44.3
35-40 .....	.0109	95,584	1,045	475,442	3,795,824	39.7
40-45 .....	.0143	94,539	1,352	469,563	3,320,382	35.1
45-50 .....	.0220	93,187	2,051	461,218	2,850,819	30.6
50-55 .....	.0362	91,136	3,302	447,987	2,389,601	26.2
55-60 .....	.0583	87,834	5,124	427,135	1,941,614	22.1
60-65 .....	.0921	82,710	7,615	395,562	1,514,479	18.3
65-70 .....	.1331	75,095	9,994	351,500	1,118,917	14.9
70-75 .....	.2037	65,101	13,258	293,186	767,417	11.8
75-80 .....	.2943	51,843	15,256	221,261	474,231	9.1
80-85 .....	.4203	36,587	15,379	143,600	252,970	6.9
85 and over	1.0000	21,208	21,208	109,370	109,370	5.2
WHITE, FEMALE						
0-1 .....	.0076	100,000	759	99,353	7,893,811	78.9
1-5 .....	.0016	99,241	159	396,582	7,794,458	78.5
5-10 .....	.0009	99,082	89	495,169	7,397,876	74.7
10-15 .....	.0009	98,993	87	494,780	6,902,707	69.7
15-20 .....	.0024	98,906	240	493,967	6,407,927	64.8
20-25 .....	.0025	98,666	244	492,725	5,913,960	59.9
25-30 .....	.0028	98,422	277	491,428	5,421,235	55.1
30-35 .....	.0034	98,145	338	489,918	4,929,807	50.2
35-40 .....	.0049	97,807	476	487,927	4,439,889	45.4
40-45 .....	.0073	97,331	709	485,017	3,951,962	40.6
45-50 .....	.0123	96,622	1,189	480,364	3,466,945	35.9
50-55 .....	.0204	95,433	1,944	472,624	2,986,581	31.3
55-60 .....	.0320	93,489	2,995	460,420	2,513,957	26.9
60-65 .....	.0511	90,494	4,623	441,618	2,053,537	22.7
65-70 .....	.0767	85,871	6,590	413,791	1,611,919	18.8
70-75 .....	.1184	79,281	9,387	374,207	1,198,128	15.1
75-80 .....	.1821	69,894	12,727	319,262	823,921	11.8
80-85 .....	.2913	57,167	16,653	245,440	504,659	8.8
85 and over	1.0000	40,514	40,514	259,219	259,219	6.4

SECTION 6 - LIFE TABLES - PAGE 8

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1987—Con.

Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
x to $x + n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
ALL OTHER						
0-1	0.0155	100,000	1,552	98,671	7,129,927	71.3
1-5 .....	.0028	98,448	277	393,142	7,031,256	71.4
5-10 .....	.0016	98,171	153	490,432	6,638,114	67.6
10-15 .....	.0016	98,018	159	489,757	6,147,682	62.7
15-20 .....	.0045	97,859	442	488,313	5,657,925	57.8
20-25 .....	.0080	97,417	776	485,255	5,169,612	53.1
25-30 .....	.0096	96,641	924	480,962	4,684,357	48.5
30-35 .....	.0131	95,717	1,251	475,565	4,203,395	43.9
35-40 .....	.0175	94,466	1,655	468,417	3,727,830	39.5
40-45 .....	.0228	92,811	2,112	459,094	3,259,413	35.1
45-50 .....	.0313	90,699	2,838	446,831	2,800,319	30.9
50-55 .....	.0471	87,861	4,136	429,485	2,353,488	26.8
55-60 .....	.0654	83,725	5,478	405,491	1,924,003	23.0
60-65 .....	.0974	78,247	7,624	372,808	1,518,512	19.4
65-70 .....	.1306	70,623	9,226	330,616	1,145,704	16.2
70-75 .....	.1814	61,397	11,136	279,673	815,088	13.3
75-80 .....	.2427	50,261	12,199	220,953	535,415	10.7
80-85 .....	.3633	38,062	13,826	155,493	314,462	8.3
85 and over	1.0000	24,236	24,236	158,969	158,969	6.6
ALL OTHER, MALE						
0-1 .....	.0170	100,000	1,703	98,536	6,727,451	67.3
1-5 .....	.0031	98,297	306	392,480	6,628,915	67.4
5-10 .....	.0018	97,991	180	489,459	6,236,435	63.6
10-15 .....	.0021	97,811	209	488,637	5,746,976	58.8
15-20 .....	.0067	97,602	652	486,583	5,258,339	53.9
20-25 .....	.0121	96,950	1,170	482,002	4,771,756	49.2
25-30 .....	.0142	95,780	1,364	475,575	4,289,754	44.8
30-35 .....	.0189	94,416	1,784	467,739	3,814,179	40.4
35-40 .....	.0256	92,632	2,372	457,500	3,346,440	36.1
40-45 .....	.0320	90,260	2,884	444,491	2,888,940	32.0
45-50 .....	.0424	87,376	3,704	428,165	2,444,449	28.0
50-55 .....	.0623	83,672	5,215	405,930	2,016,284	24.1
55-60 .....	.0852	78,457	6,683	376,142	1,610,354	20.5
60-65 .....	.1241	71,774	8,906	337,196	1,234,212	17.2
65-70 .....	.1680	62,868	10,435	288,611	897,016	14.3
70-75 .....	.2274	52,433	11,923	232,508	608,405	11.6
75-80 .....	.3010	40,510	12,194	171,781	375,897	9.3
80-85 .....	.4311	28,316	12,207	110,322	204,116	7.2
85 and over	1.0000	16,109	16,109	93,794	93,794	5.8
ALL OTHER, FEMALE						
0-1 .....	.0140	100,000	1,396	98,812	7,519,240	75.2
1-5 .....	.0025	98,604	249	393,822	7,420,428	75.3
5-10 .....	.0013	98,355	123	491,435	7,026,606	71.4
10-15 .....	.0011	98,232	107	490,919	6,535,171	66.5
15-20 .....	.0023	98,125	225	490,109	6,044,252	61.6
20-25 .....	.0040	97,900	395	488,568	5,554,143	56.7
25-30 .....	.0052	97,505	511	486,301	5,065,575	52.0
30-35 .....	.0078	96,994	756	483,177	4,579,274	47.2
35-40 .....	.0105	96,238	1,013	478,833	4,096,097	42.6
40-45 .....	.0149	95,225	1,421	472,814	3,617,264	38.0
45-50 .....	.0218	93,804	2,048	464,230	3,144,450	33.5
50-55 .....	.0342	91,756	3,141	451,348	2,680,220	29.2
55-60 .....	.0489	88,615	4,330	432,780	2,228,872	25.2
60-65 .....	.0753	84,285	6,345	406,229	1,796,092	21.3
65-70 .....	.1018	77,940	7,935	370,585	1,389,863	17.8
70-75 .....	.1467	70,005	10,267	325,221	1,019,278	14.6
75-80 .....	.2017	59,738	12,051	269,125	694,057	11.6
80-85 .....	.3203	47,687	15,273	200,516	424,932	8.9
85 and over	1.0000	32,414	32,414	224,416	224,416	6.9

SECTION 6 - LIFE TABLES - PAGE 9

Table 6-1. Abridged Life Tables by Race and Sex: United States, 1987—Con.

Age interval Period of life between two exact ages stated in years, race, and sex (1)	Proportion dying	Of 100,000 born alive		Stationary population		Average remaining lifetime
	Proportion of persons alive at beginning of age interval dying during interval (2)	Number living at beginning of age interval (3)	Number dying during age interval (4)	In the age interval (5)	In this and all subsequent age intervals (6)	Average number of years of life remaining at beginning of age interval (7)
x to $x + n$	nq_x	l_x	n^d_x	nL_x	T_x	e_x
BLACK						
0-1	0.0180	100,000	1,795	98,449	6,944,896	69.4
1-5 .....	.0031	98,205	308	392,097	6,846,447	69.7
5-10 .....	.0017	97,897	163	489,033	6,454,350	65.9
10-15 .....	.0017	97,734	169	488,311	5,965,317	61.0
15-20 .....	.0048	97,565	472	486,780	5,477,006	56.1
20-25 .....	.0087	97,093	842	483,494	4,990,226	51.4
25-30 .....	.0109	96,251	1,045	478,736	4,506,732	46.8
30-35 .....	.0156	95,206	1,485	472,457	4,027,996	42.3
35-40 .....	.0212	93,721	1,983	464,103	3,555,539	37.9
40-45 .....	.0275	91,738	2,527	452,745	3,091,436	33.7
45-50 .....	.0369	89,211	3,292	438,304	2,638,691	29.6
50-55 .....	.0544	85,919	4,677	418,457	2,200,387	25.6
55-60 .....	.0737	81,242	5,988	391,809	1,781,930	21.9
60-65 .....	.1102	75,254	8,293	356,144	1,390,121	18.5
65-70 .....	.1454	66,961	9,739	310,980	1,033,977	15.4
70-75 .....	.1992	57,222	11,397	258,060	722,997	12.6
75-80 .....	.2649	45,825	12,137	198,812	464,937	10.1
80-85 .....	.3917	33,688	13,196	135,066	266,125	7.9
85 and over	1.0000	20,492	20,492	131,059	131,059	6.4
BLACK, MALE						
0-1 .....	.0197	100,000	1,974	98,297	6,517,720	65.2
1-5 .....	.0035	98,026	339	391,319	6,419,423	65.5
5-10 .....	.0020	97,687	192	487,903	6,028,104	61.7
10-15 .....	.0023	97,495	222	487,022	5,540,201	56.8
15-20 .....	.0072	97,273	701	484,835	5,053,179	51.9
20-25 .....	.0133	96,572	1,288	479,857	4,568,344	47.3
25-30 .....	.0163	95,284	1,554	472,658	4,088,487	42.9
30-35 .....	.0228	93,730	2,134	463,478	3,615,829	38.6
35-40 .....	.0313	91,596	2,866	451,130	3,152,351	34.4
40-45 .....	.0393	88,730	3,485	435,400	2,701,221	30.4
45-50 .....	.0509	85,245	4,336	415,973	2,265,821	26.6
50-55 .....	.0731	80,909	5,912	390,400	1,849,848	22.9
55-60 .....	.0953	74,997	7,144	357,668	1,459,448	19.5
60-65 .....	.1393	67,853	9,452	316,155	1,101,780	16.2
65-70 .....	.1847	58,401	10,786	265,317	785,625	13.5
70-75 .....	.2504	47,615	11,921	208,286	520,308	10.9
75-80 .....	.3291	35,694	11,747	148,638	312,022	8.7
80-85 .....	.4628	23,947	11,082	91,168	163,384	6.8
85 and over	1.0000	12,865	12,865	72,216	72,216	5.6
BLACK, FEMALE						
0-1 .....	.0161	100,000	1,611	98,605	7,360,180	73.6
1-5 .....	.0028	98,389	276	392,893	7,261,575	73.8
5-10 .....	.0014	98,113	133	490,193	6,868,682	70.0
10-15 .....	.0011	97,980	111	489,648	6,378,489	65.1
15-20 .....	.0024	97,869	239	488,801	5,888,841	60.2
20-25 .....	.0043	97,630	421	487,164	5,400,040	55.3
25-30 .....	.0059	97,209	575	484,678	4,912,876	50.5
30-35 .....	.0092	96,634	893	481,057	4,428,198	45.8
35-40 .....	.0126	95,741	1,202	475,902	3,947,141	41.2
40-45 .....	.0178	94,539	1,679	468,782	3,471,239	36.7
45-50 .....	.0254	92,860	2,358	458,777	3,002,457	32.3
50-55 .....	.0391	90,502	3,537	444,126	2,543,680	28.1
55-60 .....	.0552	86,965	4,802	423,380	2,099,554	24.1
60-65 .....	.0857	82,163	7,044	393,877	1,676,174	20.4
65-70 .....	.1137	75,119	8,542	354,961	1,282,297	17.1
70-75 .....	.1614	66,577	10,747	306,843	927,336	13.9
75-80 .....	.2214	55,830	12,360	248,745	620,493	11.1
80-85 .....	.3486	43,470	15,153	179,592	371,748	8.6
85 and over	1.0000	28,317	28,317	192,156	192,156	6.8

SECTION 6 - LIFE TABLES - PAGE 10

Table 6-2. Number of Survivors at Single Years of Age, Out of 100,000 Born Alive, by Race and Sex: United States, 1987

Age	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,989	98,880	99,104	98,136	98,037	99,241	98,448	98,297	98,604	98,205	98,026	98,389	98,389
2	98,919	98,802	99,043	98,072	98,965	99,185	98,355	98,194	98,521	98,101	97,911	98,296	98,296
3	98,865	98,742	98,995	98,023	98,911	99,142	98,280	98,112	98,453	98,018	97,820	98,221	98,221
4	98,823	98,695	98,957	98,985	98,869	99,109	98,220	98,046	98,399	97,951	97,747	98,161	98,161
5	98,788	98,656	98,927	98,954	98,834	99,082	98,171	97,991	98,355	97,897	97,687	98,113	98,113
6	98,758	98,621	98,902	98,927	98,802	99,059	98,130	97,945	98,320	97,853	97,637	98,075	98,075
7	98,731	98,589	98,880	98,902	98,772	99,039	98,096	97,905	98,292	97,816	97,594	98,045	98,045
8	98,707	98,560	98,861	98,879	98,744	99,021	98,067	97,870	98,269	97,785	97,557	98,020	98,020
9	98,686	98,534	98,845	98,859	98,719	99,006	98,041	97,839	98,250	97,758	97,524	97,999	97,999
10	98,667	98,511	98,831	98,841	98,698	98,993	98,018	97,811	98,232	97,734	97,495	97,980	97,980
11	98,650	98,491	98,818	98,826	98,680	98,981	97,996	97,784	98,215	97,710	97,467	97,962	97,962
12	98,633	98,471	98,805	98,811	98,662	98,969	97,972	97,755	98,197	97,685	97,436	97,943	97,943
13	98,612	98,444	98,789	98,791	98,637	98,954	97,947	97,719	98,177	97,655	97,398	97,922	97,922
14	98,581	98,403	98,768	98,761	98,598	98,934	97,907	97,670	98,153	97,616	97,345	97,898	97,898
15	98,536	98,342	98,740	98,717	98,539	98,906	97,859	97,602	98,125	97,565	97,273	97,869	97,869
16	98,476	98,260	98,703	98,657	98,458	98,869	97,798	97,514	98,092	97,500	97,180	97,835	97,835
17	98,402	98,157	98,659	98,583	98,357	98,823	97,724	97,406	98,054	97,421	97,065	97,794	97,794
18	98,316	98,036	98,609	98,497	98,238	98,771	97,636	97,277	98,009	97,327	96,926	97,747	97,747
19	98,222	97,902	98,556	98,405	98,108	98,718	97,534	97,125	97,958	97,218	96,762	97,692	97,692
20	98,122	97,758	98,503	98,309	97,970	98,666	97,417	96,950	97,900	97,093	96,572	97,630	97,630
21	98,018	97,604	98,451	98,211	97,825	98,616	97,284	96,750	97,833	96,951	96,354	97,560	97,560
22	97,909	97,440	98,398	98,110	97,673	98,568	97,136	96,526	97,759	96,791	96,109	97,481	97,481
23	97,796	97,269	98,344	98,007	97,516	98,520	96,976	96,285	97,678	96,618	95,844	97,395	97,395
24	97,682	97,096	98,289	97,904	97,359	98,472	96,810	96,034	97,593	96,437	95,567	97,304	97,304
25	97,567	96,924	98,232	97,801	97,204	98,422	96,641	95,780	97,505	96,251	95,284	97,209	97,209
26	97,453	96,755	98,173	97,698	97,052	98,370	96,470	95,524	97,414	96,062	94,997	97,110	97,110
27	97,339	96,588	98,113	97,596	96,903	98,316	96,295	95,263	97,320	95,867	94,704	97,006	97,006
28	97,223	96,421	98,050	97,493	96,755	98,261	96,114	94,995	97,220	95,663	94,400	96,894	96,894
29	97,104	96,250	97,984	97,368	96,604	98,204	95,922	94,714	97,112	95,444	94,077	96,771	96,771
30	96,980	96,073	97,915	97,280	96,448	98,145	95,717	94,416	96,994	95,206	93,730	96,634	96,634
31	96,851	95,888	97,842	97,168	96,287	98,084	95,497	94,099	96,864	94,948	93,357	96,482	96,482
32	96,716	95,696	97,765	97,052	96,120	98,021	95,262	93,765	96,722	94,671	92,959	96,315	96,315
33	96,575	95,496	97,684	96,931	95,947	97,954	95,012	93,410	96,570	94,374	92,534	96,135	96,135
34	96,427	95,288	97,598	96,805	95,768	97,883	94,747	93,033	96,408	94,057	92,080	95,943	95,943
35	96,273	95,071	97,506	96,674	95,584	97,807	94,466	92,632	96,238	93,721	91,596	95,741	95,741
36	96,110	94,845	97,408	96,536	95,392	97,725	94,169	92,204	96,059	93,365	91,080	95,528	95,528
37	95,938	94,607	97,303	96,391	95,191	97,637	93,854	91,749	95,869	92,989	90,532	95,303	95,303
38	95,757	94,359	97,191	96,238	94,982	97,542	93,522	91,271	95,668	92,592	89,955	95,065	95,065
39	95,569	94,102	97,071	96,078	94,765	97,440	93,174	90,774	95,454	92,175	89,353	94,811	94,811
40	95,373	93,837	96,944	95,910	94,539	97,331	92,811	90,260	95,225	91,738	88,730	94,539	94,539
41	95,167	93,562	96,808	95,732	94,302	97,214	92,431	89,728	94,979	91,280	88,084	94,247	94,247
42	94,950	93,273	96,662	95,543	94,052	97,087	92,031	89,176	94,715	90,799	87,414	93,933	93,933
43	94,718	92,968	96,503	95,340	93,785	96,948	91,610	88,602	94,431	90,294	86,718	93,597	93,597
44	94,468	92,641	96,328	95,119	93,498	96,794	91,167	88,003	94,128	89,765	85,936	93,240	93,240
45	94,195	92,289	96,134	94,877	93,187	96,622	90,699	87,376	93,804	89,211	85,245	92,860	92,860
46	93,898	91,908	95,920	94,612	92,848	96,431	90,206	86,721	93,458	88,631	84,466	92,456	92,456
47	93,574	91,495	95,684	94,321	92,479	96,219	89,684	86,033	93,068	88,021	83,656	92,026	92,026
48	93,218	91,045	95,423	94,000	92,074	95,983	89,125	85,303	92,683	87,373	82,802	91,562	91,562
49	92,827	90,552	95,134	93,646	91,628	95,722	88,520	84,519	92,242	86,675	81,890	91,056	91,056
50	92,397	90,011	94,815	93,255	91,136	95,433	87,861	83,672	91,756	85,919	80,909	90,502	90,502
51	91,924	89,416	94,462	92,823	90,593	95,113	87,143	82,755	91,221	85,097	79,850	89,894	89,894
52	91,404	88,765	94,074	92,347	89,996	94,760	86,365	81,768	90,635	84,210	78,716	89,231	89,231
53	90,837	88,054	93,650	91,824	89,340	94,372	85,532	80,711	90,002	83,265	77,518	88,518	88,518
54	90,222	87,282	93,190	91,252	88,621	93,949	84,651	79,611	89,328	82,274	76,275	87,761	87,761
55	89,556	86,446	92,693	90,629	87,834	93,489	83,725	78,457	88,615	81,242	74,997	86,965	86,965
56	88,839	85,544	92,158	89,951	86,977	92,990	82,757	77,257	87,865	80,173	73,690	86,131	86,131
57	88,065	84,571	91,581	89,215	86,046	92,448	81,741	76,004	87,022	79,061	72,346	85,253	85,253
58	87,226	83,518	90,955	88,412	85,031	91,856	80,662	74,685	86,273	77,886	70,943	84,314	84,314
59	86,312	82,373	90,270	87,534	83,922	91,207	79,502	73,279	85,298	76,623	69,452	83,289	83,289
60	85,316	81,126	89,519	86,574	82,710	90,494	78,247	71,774	84,285	75,254	67,853	82,163	82,163
61	84,230	79,771	88,696	85,526	81,389	89,712	76,890	70,164	83,175	73,771	66,138	80,926	80,926
62	83,055	78,308	87,799	84,389	79,959	88,858	75,435	68,454	81,972	72,181	64,316	79,584	79,584
63	81,794	76,746	86,830	83,165	78,426	87,933	73,895	66,657	80,688	70,501	62,404	78,153	78,153
64	80,454	75,096	85,793	81,860	76,802	86,937	72,287	64,790	79,340	68,755	60,426	76,659	76,659
65	79,040	73,366	84,688	80,477	75,095	85,871	70,623	62,868	77,940	66,961	58,401	75,119	75,119
66	77,553	71,562	83,513	79,017	73,309	84,732	68,909	60,897	76,494	65,126	56,338	73,540	73,540
67	75,986	69,677	82,263	77,474	71,437	83,513	67,140	58,876	74,994	63,246	54,234	71,913	71,913
68	74,327	67,694	80,927	75,834	69,461	82,206	65,307	56,798	73,425	61,311	52,085	70,224	70,224
69	72,560	65,589	79,493	74,080	67,355	80,798	63,396	54,652	71,767	59,306	49,880	68,450	68,450
70	70,672	63,346	77,951	72,200	65,101	79,281	61,397	52,433	70,005	57,222	47,615	66,577	66,577
71	68,659	60,963	76,294	70,189	62,697	77,648	59,305	50,140	68,130	55,056	45,291	64,595	64,595
72	66,524	58,450	74,521	68,052	60,153	75,896	57,128	47,782	66,148	52,816	42,918	62,512	62,512
73	64,274	55,822	72,630	65,793	57,484	74,021	54,881	45,377	64,074	50,517	40,514	60,342	60,342
74	61,920	53,098	70,621	63,421	54,708	72,021	52,587	42,947	61,932	48,182	38,100	58,110	58,110
75	59,469	50,295	68,493	60,943	51,843	69,894	50,261	40,510	59,738	45,825	35,694	55,800	55,800
76	56,925	47,427	66,243	58,363	48,903	67,634	47,908	38,074	57,493	43,453	33,306	53,504	53,504
77	54,290	44,502	63,864	55,684	45,897	65,237	45,523						

SECTION 6 - LIFE TABLES - PAGE 11

Table 6-3. Expectation of Life at Single Years of Age, by Race and Sex: United States, 1987

Age	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
0	75.0	71.5	78.4	75.6	72.2	78.9	71.3	67.3	75.2	69.4	65.2	73.6
1	74.7	71.3	78.1	75.3	71.9	78.5	71.4	67.4	75.3	69.7	65.5	73.8
2	73.8	70.3	77.1	74.3	71.0	77.6	70.5	66.5	74.3	68.8	64.6	72.9
3	72.8	69.4	76.2	73.4	70.0	76.6	69.5	65.6	73.4	67.8	63.6	71.9
4	71.9	68.4	75.2	72.4	69.0	75.6	68.6	64.6	72.4	66.9	62.7	71.0
5	70.9	67.4	74.2	71.4	68.1	74.7	67.6	63.6	71.4	65.9	61.7	70.0
6	69.9	66.5	73.2	70.4	67.1	73.7	66.6	62.7	70.5	65.0	60.7	69.0
7	68.9	65.5	72.2	69.4	66.1	72.7	65.7	61.7	69.5	64.0	59.8	68.1
8	67.9	64.5	71.3	68.5	65.1	71.7	64.7	60.7	68.5	63.0	58.8	67.1
9	66.9	63.5	70.3	67.5	64.1	70.7	63.7	59.7	67.5	62.0	57.8	66.1
10	66.0	62.5	69.3	66.5	63.1	69.7	62.7	58.8	66.5	61.0	56.8	65.1
11	65.0	61.6	68.3	65.5	62.2	68.7	61.7	57.8	65.5	60.1	55.8	64.1
12	64.0	60.6	67.3	64.5	61.2	67.7	60.7	56.8	64.6	59.1	54.9	63.1
13	63.0	59.6	66.3	63.5	60.2	66.8	59.8	55.8	63.6	58.1	53.9	62.1
14	62.0	58.6	65.3	62.5	59.2	65.8	58.8	54.8	62.6	57.1	52.9	61.2
15	61.0	57.6	64.3	61.6	58.2	64.8	57.8	53.9	61.6	56.1	51.9	60.2
16	60.1	56.7	63.4	60.6	57.3	63.8	56.9	52.9	60.6	55.2	51.0	59.2
17	59.1	55.7	62.4	59.6	56.4	62.8	55.9	52.0	59.6	54.2	50.1	58.2
18	58.2	54.8	61.4	58.7	55.4	61.9	54.9	51.0	58.7	53.3	49.1	57.2
19	57.2	53.9	60.5	57.8	54.5	60.9	54.0	50.1	57.7	52.3	48.2	56.3
20	56.3	53.0	59.5	56.8	53.6	59.9	53.1	49.2	56.7	51.4	47.3	55.3
21	55.3	52.1	58.5	55.9	52.6	59.0	52.1	48.3	55.8	50.5	46.4	54.4
22	54.4	51.1	57.6	54.9	51.7	58.0	51.2	47.4	54.8	49.6	45.5	53.4
23	53.5	50.2	56.6	54.0	50.8	57.0	50.3	46.5	53.9	48.6	44.7	52.4
24	52.5	49.3	55.6	53.0	49.9	56.1	49.4	45.7	52.9	47.7	43.8	51.5
25	51.6	48.4	54.6	52.1	49.0	55.1	48.5	44.8	52.0	46.8	42.9	50.5
26	50.7	47.5	53.7	51.1	48.0	54.1	47.6	43.9	51.0	45.9	42.0	49.6
27	49.7	46.6	52.7	50.2	47.1	53.1	46.6	43.0	50.0	45.0	41.2	48.6
28	48.8	45.6	51.7	49.3	46.2	52.2	45.7	42.1	49.1	44.1	40.3	47.7
29	47.8	44.7	50.8	48.3	45.3	51.2	44.8	41.3	48.2	43.2	39.4	46.8
30	46.9	43.8	49.8	47.4	44.3	50.2	43.9	40.4	47.2	42.3	38.6	45.8
31	46.0	42.9	48.9	46.4	43.4	49.3	43.0	39.5	46.3	41.4	37.7	44.9
32	45.0	42.0	47.9	45.5	42.5	48.3	42.1	38.7	45.3	40.5	36.9	44.0
33	44.1	41.1	46.9	44.5	41.6	47.3	41.2	37.8	44.4	39.7	36.1	43.1
34	43.1	40.2	46.0	43.6	40.6	46.4	40.3	37.0	43.5	38.8	35.2	42.1
35	42.2	39.2	45.0	42.6	39.7	45.4	39.5	36.1	42.6	37.9	34.4	41.2
36	41.3	38.3	44.1	41.7	38.8	44.4	38.6	35.3	41.6	37.1	33.6	40.3
37	40.4	37.4	43.1	40.8	37.9	43.5	37.7	34.5	40.7	36.2	32.8	39.4
38	39.4	36.5	42.2	39.8	37.0	42.5	36.8	33.6	39.8	35.4	32.0	38.5
39	38.5	35.6	41.2	38.9	36.0	41.6	36.0	32.8	38.9	34.5	31.2	37.6
40	37.6	34.7	40.3	38.0	35.1	40.6	35.1	32.0	38.0	33.7	30.4	36.7
41	36.7	33.8	39.3	37.0	34.2	39.7	34.3	31.2	37.1	32.9	29.7	35.8
42	35.8	32.9	38.4	36.1	33.3	38.7	33.4	30.4	36.2	32.0	28.9	34.9
43	34.8	32.0	37.4	35.2	32.4	37.8	32.6	29.6	35.3	31.2	28.1	34.1
44	33.9	31.1	36.5	34.3	31.5	36.8	31.7	28.8	34.4	30.4	27.3	33.2
45	33.0	30.3	35.6	33.3	30.6	35.9	30.9	28.0	33.5	29.6	26.6	32.3
46	32.1	29.4	34.7	32.4	29.7	35.0	30.0	27.2	32.6	28.8	25.8	31.5
47	31.2	28.5	33.7	31.5	28.8	34.0	29.2	26.4	31.8	28.0	25.1	30.6
48	30.4	27.7	32.8	30.6	27.9	33.1	28.4	25.6	30.9	27.2	24.3	29.8
49	29.5	26.8	31.9	29.8	27.1	32.2	27.6	24.9	30.1	26.4	23.6	28.9
50	28.6	26.0	31.0	28.9	26.2	31.3	26.8	24.1	29.2	25.6	22.9	28.1
51	27.8	25.1	30.2	28.0	25.4	30.4	26.0	23.4	28.4	24.9	22.2	27.3
52	26.9	24.3	29.3	27.1	24.5	29.5	25.2	22.6	27.6	24.1	21.5	26.5
53	26.1	23.5	28.4	26.3	23.7	28.6	24.5	21.9	26.7	23.4	20.8	25.7
54	25.3	22.7	27.5	25.5	22.9	27.8	23.7	21.2	25.9	22.7	20.1	24.9
55	24.4	21.9	26.7	24.6	22.1	26.9	23.0	20.5	25.2	21.9	19.5	24.1
56	23.6	21.2	25.8	23.8	21.3	26.0	22.2	19.8	24.4	21.2	18.8	23.4
57	22.8	20.4	25.0	23.0	20.5	25.2	21.5	19.2	23.6	20.5	18.1	22.6
58	22.1	19.6	24.2	22.2	19.8	24.3	20.8	18.5	22.8	19.8	17.5	21.9
59	21.3	18.9	23.3	21.4	19.0	23.5	20.1	17.8	22.1	19.1	16.9	21.1
60	20.5	18.2	22.5	20.7	18.3	22.7	19.4	17.2	21.3	18.5	16.2	20.4
61	19.8	17.5	21.7	19.9	17.6	21.9	18.7	16.6	20.6	17.8	15.6	19.7
62	19.1	16.8	21.0	19.2	16.9	21.1	18.1	16.0	19.9	17.2	15.1	19.0
63	18.3	16.1	20.2	18.4	16.2	20.3	17.5	15.4	19.2	16.6	14.5	18.4
64	17.6	15.5	19.4	17.7	15.6	19.5	16.8	14.8	18.5	16.0	14.0	17.7
65	16.9	14.8	18.7	17.0	14.9	18.8	16.2	14.3	17.8	15.4	13.5	17.1
66	16.3	14.2	17.9	16.3	14.3	18.0	15.6	13.7	17.2	14.9	12.9	16.4
67	15.6	13.6	17.2	15.6	13.6	17.3	15.0	13.2	16.5	14.3	12.4	15.8
68	14.9	13.0	16.5	15.0	13.0	16.5	14.4	12.6	15.8	13.7	11.9	15.2
69	14.3	12.4	15.8	14.3	12.4	15.8	13.8	12.1	15.2	13.2	11.4	14.5
70	13.6	11.8	15.1	13.7	11.8	15.1	13.3	11.6	14.6	12.6	10.9	13.9
71	13.0	11.2	14.4	13.1	11.2	14.4	12.7	11.1	13.9	12.1	10.5	13.3
72	12.4	10.7	13.7	12.5	10.7	13.7	12.2	10.6	13.3	11.6	10.0	12.8
73	11.9	10.2	13.0	11.9	10.2	13.1	11.7	10.2	12.8	11.1	9.6	12.2
74	11.3	9.7	12.4	11.3	9.6	12.4	11.2	9.7	12.2	10.6	9.2	11.7
75	10.7	9.2	11.8	10.7	9.1	11.8	10.7	9.3	11.6	10.1	8.7	11.1
76	10.2	8.7	11.2	10.2	8.7	11.2	10.2	8.8	11.1	9.7	8.3	10.6
77	9.7	8.2	10.6	9.6	8.2	10.6	9.7	8.4	10.5	9.2	7.9	10.0
78	9.1	7.8	10.0	9.1	7.8	10.0	9.2	8.0	10.0	8.8	7.5	9.5
79	8.6	7.4	9.4	8.6	7.3	9.4	8.7	7.6	9.4	8.3	7.2	9.0
80	8.2	6.9	8.8	8.1	6.9	8.8	8.3	7.2	8.9	7.9	6.8	8.6
81	7.7	6.6	8.3	7.7	6.5	8.3	7.8	6.9	8.4	7.5	6.5	8.1
82	7.2	6.2	7.8	7.2	6.1	7.8	7.5	6.5	8.0	7.2	6.2	7.7
83	6.8	5.8	7.3	6.8	5.8	7.3	7.1	6.2	7.6	6.8	5.9	7.3
84	6.4	5.5	6.9	6.4	5.5	6.8	6.8	6.0	7.2	6.6	5.7	7.0
85	6.1	5.2	6.4	6.0	5.2	6.4	6.6	5.8	6.9	6.4	5.6	6.8

SECTION 6 - LIFE TABLES - PAGE 12

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Number of survivors out of 100,000 born alive (%)									
	1987	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL RACES										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,989	98,740	97,998	97,407	97,024	95,290	94,028	92,515	88,538	87,552
5	98,788	98,495	97,668	96,998	96,482	94,220	91,978	83,389	83,887	81,804
10	98,667	98,347	97,460	96,765	96,177	93,710	91,106	88,129	82,458	80,052
15	98,536	98,196	97,261	96,551	95,885	93,235	90,385	87,144	81,506	78,963
20	98,122	97,741	96,716	96,111	95,366	92,435	89,089	85,441	80,074	77,239
25	97,567	97,110	96,000	95,517	94,676	91,335	87,269	83,146	78,046	74,768
30	96,980	96,477	95,307	94,905	93,919	90,078	85,302	80,642	75,779	72,043
35	96,273	95,803	94,482	94,144	92,976	88,573	83,118	77,961	73,127	69,078
40	95,373	94,925	93,322	93,064	91,648	86,650	80,557	75,114	70,042	65,890
45	94,195	93,539	91,587	91,378	89,634	84,069	77,343	72,036	66,561	62,436
50	92,397	91,525	88,972	88,756	86,591	80,487	73,321	68,429	62,460	58,514
55	89,556	88,343	85,110	84,711	82,176	75,557	68,182	63,947	57,555	53,852
60	85,316	83,725	79,529	79,067	75,921	68,924	61,563	58,079	51,138	47,946
65	79,040	77,107	71,933	71,147	67,555	60,366	53,195	50,560	43,914	40,911
70	70,672	68,248	61,984	60,857	56,987	49,655	42,768	41,090	33,816	32,390
75	59,469	56,799	49,705	48,170	43,903	36,735	30,789	29,729	23,552	22,960
80	45,839	43,180	35,285	33,576	29,313	22,883	18,580	18,298	13,712	13,529
85	30,220	27,960	20,908	18,542	15,785	11,073	8,542	8,683	6,001	6,053
MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	98,880	98,607	97,755	97,087	96,681	94,762	93,440	91,745	87,505	86,426
5	98,656	98,333	97,395	96,643	96,077	93,624	91,294	88,505	82,718	80,548
10	98,511	98,160	97,151	96,375	95,726	93,054	90,346	87,184	81,249	78,775
15	98,342	97,972	96,904	96,107	95,366	92,508	89,561	86,156	80,261	77,681
20	97,758	97,316	96,126	95,491	94,695	91,617	88,220	84,440	78,792	75,984
25	96,924	96,361	95,040	94,631	93,791	90,385	86,359	82,252	76,675	73,472
30	96,073	95,430	94,072	93,826	92,861	89,009	84,346	79,890	74,378	70,747
35	95,071	94,501	92,997	92,889	91,760	87,371	82,075	77,514	71,614	67,752
40	93,837	93,345	91,541	91,572	90,207	85,246	79,357	74,432	68,297	64,447
45	92,289	91,649	89,369	89,492	87,819	82,336	75,882	71,244	64,518	60,849
50	90,011	89,007	86,070	86,199	84,158	78,254	71,518	67,553	60,118	56,736
55	86,446	84,936	81,139	81,039	78,781	72,627	65,981	62,965	54,970	51,939
60	81,126	79,012	73,958	73,887	71,246	65,142	58,909	56,917	48,343	45,895
65	73,366	70,646	64,318	64,177	61,566	55,776	50,154	49,218	40,264	38,736
70	63,346	59,681	52,296	52,244	49,950	44,588	39,516	39,668	31,023	30,217
75	50,295	46,272	38,797	38,950	36,756	31,864	27,718	28,316	21,213	21,076
80	35,465	31,810	24,921	25,300	25,237	18,995	16,172	17,128	11,942	12,084
85	20,513	18,020	13,168	12,845	11,750	8,693	7,107	7,920	5,059	5,179
FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,104	98,880	98,254	97,744	97,406	95,848	94,728	93,383	89,623	88,733
5	98,927	98,666	97,955	97,371	96,908	94,848	92,789	90,380	85,117	83,119
10	98,831	98,544	97,784	97,173	96,652	94,402	92,008	89,186	83,728	81,390
15	98,740	98,432	97,636	97,016	96,431	94,000	91,364	88,247	82,813	80,307
20	98,503	98,184	97,331	96,756	96,066	93,293	90,116	86,556	81,418	78,555
25	98,232	97,883	96,966	96,418	95,583	92,322	88,328	84,135	79,481	76,119
30	97,915	97,551	96,544	95,996	94,933	91,182	86,398	81,463	77,247	73,394
35	97,506	97,140	95,966	95,409	94,206	89,810	84,304	78,713	74,719	70,463
40	96,944	96,531	95,097	94,560	93,101	88,092	81,927	75,907	71,894	67,407
45	96,134	95,570	93,793	93,265	91,469	85,856	79,041	72,954	68,755	64,121
50	94,815	94,060	91,852	91,327	89,075	82,828	75,456	69,452	65,001	60,415
55	92,693	91,760	89,066	88,451	85,694	78,708	70,832	65,099	60,392	55,908
60	89,519	88,414	85,139	84,430	80,890	73,093	64,795	59,438	54,226	50,155
65	84,688	83,520	79,698	78,462	74,119	65,523	56,924	52,126	46,438	43,246
70	77,951	76,720	71,955	70,100	64,873	55,449	46,774	42,741	36,916	34,721
75	68,493	67,186	61,107	58,394	52,111	42,425	34,600	31,344	26,155	24,994
80	55,889	54,372	46,445	43,063	36,486	27,524	21,578	19,613	15,682	15,129
85	39,473	37,772	29,538	25,269	20,668	13,972	10,322	9,515	7,051	7,063
WHITE										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	99,136	98,898	98,224	97,714	97,278	95,685	---	---	---	---
5	98,954	98,675	97,930	97,353	96,790	94,713	---	---	---	---
10	98,841	98,536	97,733	97,131	96,502	94,228	---	---	---	---
15	98,717	98,391	97,546	96,928	96,228	93,792	---	---	---	---
20	98,309	97,939	97,036	96,508	95,763	93,117	---	---	---	---
25	97,801	97,340	96,406	95,965	95,169	92,213	---	---	---	---
30	97,280	96,774	95,824	95,440	94,536	91,185	---	---	---	---
35	96,674	96,192	95,152	94,798	93,750	89,941	---	---	---	---
40	95,910	95,427	94,190	93,870	92,616	88,318	---	---	---	---
45	94,877	94,257	92,681	92,374	90,847	86,069	---	---	---	---
50	93,255	92,384	90,306	89,958	88,110	82,833	---	---	---	---
55	90,629	89,427	86,688	86,173	84,027	78,218	---	---	---	---
60	86,574	85,031	81,323	80,811	78,066	71,785	---	---	---	---
65	80,477	78,585	73,889	73,102	69,850	63,201	---	---	---	---
70	72,200	69,801	63,991	62,834	59,189	52,165	---	---	---	---
75	60,943	58,299	51,586	49,895	45,688	38,610	---	---	---	---
80	47,063	44,409	36,659	34,697	20,438	23,976	---	---	---	---
85	31,127	28,768	21,578	19,107	16,239	11,483	---	---	---	---

SECTION 6 - LIFE TABLES - PAGE 13

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Average number of years of life remaining (e _x)									
	1987	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL RACES										
0	75.0	73.88	70.75	69.89	68.07	63.62	59.20	56.40	51.49	49.24
1	74.7	73.82	71.19	70.75	69.16	65.76	61.94	59.94	57.11	55.20
5	70.9	70.00	67.43	67.04	65.54	62.49	59.29	57.99	56.21	54.98
10	66.0	65.10	62.57	62.19	60.74	57.82	54.84	53.79	52.15	51.14
15	61.0	60.19	57.69	57.33	55.91	53.10	50.25	49.37	47.73	46.81
20	56.3	55.46	53.00	52.58	51.20	48.54	45.94	45.30	43.53	42.79
25	51.6	50.81	48.37	47.89	46.56	44.09	41.85	41.47	39.60	39.12
30	46.9	46.12	43.71	43.18	41.91	39.67	37.75	37.68	35.70	35.51
35	42.2	41.43	39.07	38.51	37.31	35.30	33.68	33.89	31.90	31.92
40	37.6	36.79	34.52	33.92	32.81	31.03	29.67	30.08	28.20	28.34
45	33.0	32.27	30.12	29.50	28.49	26.90	25.79	26.25	24.54	24.77
50	28.6	27.94	25.93	25.29	24.40	22.98	22.06	22.50	20.98	21.26
55	24.4	23.85	21.99	21.37	20.57	19.31	18.53	18.90	17.55	17.88
60	20.5	20.02	18.34	17.71	17.04	15.91	15.24	15.54	14.42	14.76
65	16.9	16.51	15.00	14.39	13.83	12.80	12.23	12.47	11.60	11.86
70	13.6	13.32	12.00	11.38	10.92	10.00	9.58	9.74	9.11	9.30
75	10.7	10.48	9.32	8.71	8.40	7.62	7.32	7.49	6.99	7.08
80	8.2	7.98	7.10	6.39	6.34	5.73	5.50	5.63	5.25	5.30
85	6.1	5.96	5.28	4.58	4.69	4.31	4.19	4.21	4.00	3.96
MALE										
0	71.5	70.11	67.04	66.80	65.47	61.60	57.71	55.50	49.86	47.88
1	71.3	70.10	67.58	67.80	66.73	64.00	60.75	59.47	55.95	54.35
5	67.4	66.29	63.82	64.10	63.12	60.76	58.14	57.60	55.11	54.22
10	62.5	61.41	58.98	59.27	58.35	56.12	53.75	53.44	51.07	50.39
15	57.6	56.52	54.12	54.43	53.56	51.43	49.18	49.05	46.66	46.06
20	53.0	51.88	49.54	49.77	48.92	46.91	44.88	44.99	42.48	42.03
25	48.4	47.37	45.07	45.19	44.36	42.51	40.79	41.11	38.59	38.38
30	43.8	42.81	40.51	40.56	39.78	38.13	36.71	37.26	34.70	34.76
35	39.2	38.20	35.95	35.94	35.23	33.79	32.65	33.43	30.94	31.19
40	34.7	33.64	31.48	31.42	30.79	29.57	28.68	29.63	27.32	27.65
45	30.3	29.22	27.18	27.09	26.55	25.52	24.87	25.84	23.77	24.14
50	26.0	25.00	23.12	23.02	22.59	21.72	21.25	22.11	20.32	20.70
55	21.9	21.08	19.36	19.32	18.96	18.20	17.79	18.53	16.98	17.38
60	18.2	17.46	15.99	15.94	15.68	14.99	14.62	15.22	13.95	14.33
65	14.8	14.21	12.99	12.95	12.74	12.07	11.72	12.20	11.24	11.50
70	11.8	11.35	10.39	10.33	10.11	9.46	9.18	9.52	8.83	9.02
75	9.2	8.90	8.13	7.99	7.83	7.22	7.02	7.31	6.75	6.84
80	6.9	6.80	6.27	5.95	5.94	5.44	5.27	5.49	5.10	5.11
85	5.2	5.13	4.73	4.39	4.41	4.11	4.02	4.10	3.90	3.82
FEMALE										
0	78.4	77.62	74.64	73.24	70.96	65.89	60.90	57.40	53.24	50.70
1	78.1	77.50	74.97	73.93	71.84	67.73	63.37	60.45	58.37	56.10
5	74.2	73.67	71.19	70.21	68.21	64.43	60.66	58.41	57.39	55.80
10	69.3	68.75	66.31	65.35	63.38	59.73	56.16	54.16	53.31	51.94
15	64.3	63.83	61.41	60.45	58.52	54.97	51.54	49.71	48.87	47.60
20	59.5	58.98	56.59	55.60	53.73	50.37	47.21	45.63	44.66	43.60
25	54.6	54.16	51.80	50.79	48.99	45.87	43.11	41.86	40.69	39.92
30	49.8	49.33	47.01	46.00	44.28	41.41	39.02	38.15	36.79	36.30
35	45.0	44.53	42.28	41.27	39.63	37.01	34.92	34.40	32.95	32.71
40	40.3	39.80	37.64	36.61	35.06	32.68	30.86	30.58	29.15	29.08
45	35.6	35.17	33.13	32.09	30.64	28.46	26.89	26.71	25.36	25.44
50	31.0	30.69	28.77	27.71	26.40	24.40	23.05	22.92	21.67	21.84
55	26.7	26.39	24.59	23.53	22.33	20.54	19.38	19.28	18.13	18.39
60	22.5	22.29	20.60	19.52	18.50	16.92	15.94	15.87	14.90	15.21
65	18.7	18.44	16.83	15.80	14.95	13.57	12.78	12.73	11.96	12.22
70	15.1	14.84	13.35	12.37	11.71	10.56	9.99	9.96	9.38	9.59
75	11.8	11.58	10.26	9.33	8.94	8.01	7.61	7.65	7.20	7.34
80	8.8	8.69	7.68	6.72	6.67	5.99	5.70	5.75	5.37	5.51
85	6.4	6.38	5.63	4.71	4.90	4.47	4.32	4.30	4.08	4.12
WHITE										
0	75.6	74.53	71.62	70.73	69.02	64.92	---	---	---	---
1	75.3	74.35	71.91	71.38	69.95	66.84	---	---	---	---
5	71.4	70.52	68.12	67.64	66.29	63.52	---	---	---	---
10	66.5	65.62	63.26	62.79	61.48	58.83	---	---	---	---
15	61.6	60.71	58.37	57.92	56.65	54.09	---	---	---	---
20	56.8	55.98	53.66	53.16	51.91	49.47	---	---	---	---
25	52.1	51.30	49.00	48.44	47.22	44.92	---	---	---	---
30	47.4	46.59	44.28	43.69	42.52	40.40	---	---	---	---
35	42.6	41.86	39.58	38.97	37.86	35.93	---	---	---	---
40	38.0	37.17	34.95	34.33	33.29	31.54	---	---	---	---
45	33.3	32.60	30.48	29.84	28.88	27.29	---	---	---	---
50	28.9	28.21	26.21	25.57	24.70	23.26	---	---	---	---
55	24.6	24.05	22.19	21.58	20.77	19.47	---	---	---	---
60	20.7	20.16	18.48	17.84	17.15	15.98	---	---	---	---
65	17.0	16.59	15.08	14.44	13.86	12.80	---	---	---	---
70	13.7	13.35	12.01	11.37	10.89	9.96	---	---	---	---
75	10.7	10.47	9.27	8.65	8.34	7.55	---	---	---	---
80	8.1	7.95	7.01	6.33	6.27	5.64	---	---	---	---
85	6.0	5.90	5.19	4.53	4.62	4.20	---	---	---	---

SECTION 6 - LIFE TABLES - PAGE 14

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Number of survivors out of 100,000 born alive (<i>l_x</i>)									
	1987	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,037	98,769	97,994	97,408	96,931	95,188	93,768	91,975	87,674	86,655
5	98,834	98,519	97,671	97,015	96,403	94,150	91,738	88,842	82,972	80,864
10	98,698	98,357	97,441	96,758	96,069	93,601	90,810	87,530	81,519	79,109
15	98,539	98,176	97,208	96,503	95,728	93,089	90,074	86,546	80,549	78,037
20	97,970	97,525	96,480	95,908	95,104	92,233	88,904	84,997	79,116	76,376
25	97,204	96,616	95,524	95,106	94,294	91,241	87,371	83,061	77,047	73,907
30	96,448	95,783	94,716	94,401	93,489	90,092	85,797	80,888	74,810	71,219
35	95,584	94,980	93,843	93,589	92,543	88,713	83,812	78,441	72,108	68,245
40	94,539	93,984	92,631	92,427	91,173	86,880	81,457	75,733	68,848	64,954
45	93,187	92,494	90,725	90,533	89,002	84,285	78,345	72,696	65,115	61,369
50	91,136	90,105	87,690	87,424	85,601	80,521	74,288	69,107	60,741	57,274
55	87,334	86,303	83,001	82,463	80,496	75,156	68,981	64,574	55,622	52,491
60	82,710	80,625	75,969	75,485	73,172	67,787	61,933	58,498	48,987	46,452
65	75,095	72,393	66,343	65,834	63,541	58,305	52,964	50,663	40,862	39,245
70	65,101	61,384	54,138	53,825	51,735	46,739	41,880	40,873	31,527	30,640
75	51,843	47,712	40,324	40,207	38,104	33,404	29,471	29,205	21,585	21,387
80	36,587	32,788	25,885	25,993	24,005	19,860	17,221	17,655	12,160	12,266
85	21,208	18,538	13,527	13,065	12,015	9,013	7,572	8,154	5,145	5,252
WHITE, FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
1	99,241	99,035	98,468	98,036	97,645	96,211	95,037	93,608	89,774	88,939
5	99,082	98,841	98,203	97,709	97,199	95,309	93,216	90,721	85,349	83,426
10	98,993	98,725	98,042	97,525	96,960	94,890	92,466	89,564	83,979	81,723
15	98,906	98,618	97,902	97,375	96,756	94,534	91,894	88,712	83,093	80,680
20	98,666	98,374	97,618	97,135	96,454	93,984	90,939	87,281	81,750	78,978
25	98,422	98,093	97,299	96,844	96,072	93,228	89,524	85,163	79,865	76,588
30	98,145	97,802	96,945	96,499	95,605	92,320	87,972	82,740	77,676	73,887
35	97,307	97,445	96,474	96,026	94,977	91,211	86,248	80,206	75,200	70,971
40	97,331	96,913	95,762	95,326	94,080	89,805	84,256	77,624	72,425	67,935
45	96,822	96,065	94,649	94,228	92,725	87,920	81,780	74,871	69,341	64,677
50	95,433	94,710	92,924	92,522	90,685	85,267	78,572	71,547	65,629	61,005
55	93,489	92,584	90,383	89,967	87,699	81,520	74,321	67,323	61,053	56,509
60	90,494	89,451	86,726	86,339	83,279	76,200	68,462	61,704	54,900	50,752
65	85,871	84,764	81,579	80,739	76,773	68,701	60,499	54,299	47,086	43,806
70	79,281	78,139	74,101	72,507	67,545	58,363	49,932	44,638	37,482	35,206
75	69,894	68,712	63,290	60,461	54,397	44,685	37,024	32,777	26,569	25,362
80	57,167	55,770	48,182	44,676	38,026	28,882	23,053	20,492	15,929	15,349
85	40,514	38,774	30,490	26,046	21,348	14,487	10,937	9,909	7,152	7,149
ALL OTHER										
0	100,000	100,000	100,000	100,000	100,000	---	---	---	---	---
1	98,448	98,097	96,909	95,732	95,407	---	---	---	---	---
5	98,171	97,756	96,400	95,051	94,482	---	---	---	---	---
10	98,018	97,568	96,126	94,745	94,060	---	---	---	---	---
15	97,859	97,387	95,864	94,460	93,646	---	---	---	---	---
20	97,417	96,913	95,101	93,880	92,738	---	---	---	---	---
25	96,641	96,107	93,792	92,925	91,321	---	---	---	---	---
30	95,717	95,068	92,309	91,699	89,584	---	---	---	---	---
35	94,466	93,870	90,470	90,046	87,402	---	---	---	---	---
40	92,811	92,245	87,964	87,766	84,478	---	---	---	---	---
45	90,699	89,928	84,575	84,501	80,507	---	---	---	---	---
50	87,861	86,525	80,046	80,172	74,976	---	---	---	---	---
55	83,725	81,732	74,150	73,893	67,660	---	---	---	---	---
60	78,247	75,300	66,775	65,795	58,593	---	---	---	---	---
65	70,623	67,179	57,797	56,038	48,649	---	---	---	---	---
70	61,397	57,635	47,542	45,434	38,616	---	---	---	---	---
75	50,261	46,362	35,987	34,531	28,968	---	---	---	---	---
80	38,062	34,558	25,215	24,815	20,003	---	---	---	---	---
85	24,236	22,279	16,299	15,337	12,433	---	---	---	---	---
ALL OTHER, MALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---	---
1	98,297	97,939	96,592	95,301	94,911	91,696	---	---	---	---
5	97,991	97,559	96,038	94,570	93,921	89,920	---	---	---	---
10	97,811	97,337	95,716	94,234	93,453	89,211	---	---	---	---
15	97,602	97,113	95,385	93,874	92,965	88,417	---	---	---	---
20	96,950	96,431	94,293	93,108	91,941	86,770	---	---	---	---
25	95,780	95,200	92,267	91,825	90,285	84,055	---	---	---	---
30	94,416	93,666	90,106	90,270	88,327	80,865	---	---	---	---
35	92,632	91,891	87,597	88,331	84,940	77,185	---	---	---	---
40	90,260	89,645	84,378	85,744	82,832	72,830	---	---	---	---
45	87,376	86,578	80,163	82,075	78,686	67,514	---	---	---	---
50	83,672	82,153	74,748	77,239	72,891	60,766	---	---	---	---
55	78,457	76,019	67,808	70,351	65,122	52,867	---	---	---	---
60	71,774	68,093	59,396	61,669	55,535	44,370	---	---	---	---
65	62,868	58,517	49,607	51,392	45,198	35,912	---	---	---	---
70	52,433	47,796	39,025	39,914	35,018	27,688	---	---	---	---
75	40,510	36,191	27,789	29,064	25,472	19,765	---	---	---	---
80	28,316	24,969	17,999	19,994	16,904	12,352	---	---	---	---
85	16,109	14,454	10,811	11,620	9,898	6,492	---	---	---	---

SECTION 6 - LIFE TABLES - PAGE 15

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Age, race, and sex	Average number of years of life remaining (e _x)									
	1987	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
WHITE, MALE										
0	72.2	70.82	67.94	67.55	66.31	62.81	59.12	56.34	50.23	48.23
1	71.9	70.70	68.33	68.34	67.41	64.98	62.04	60.24	56.26	54.61
5	68.1	66.87	64.55	64.61	63.77	61.68	59.38	58.31	55.37	54.43
10	63.1	61.98	59.69	59.78	58.98	57.03	54.96	54.15	51.32	50.59
15	58.2	57.09	54.83	54.93	54.18	52.33	50.39	49.74	46.91	46.25
20	53.6	52.45	50.22	50.25	49.52	47.76	46.02	45.60	42.71	42.19
25	49.0	47.92	45.70	45.65	44.93	43.28	41.78	41.60	38.79	38.52
30	44.3	43.31	41.07	40.97	40.29	38.80	37.54	37.65	34.87	34.88
35	39.7	38.66	36.43	36.31	35.68	34.36	33.33	33.74	31.08	31.29
40	35.1	34.04	31.87	31.73	31.17	30.03	29.22	29.86	27.43	27.74
45	30.6	29.55	27.48	27.34	26.87	25.87	25.28	26.00	23.86	24.21
50	26.2	25.26	23.34	23.22	22.83	21.96	21.51	22.22	20.39	20.76
55	22.1	21.25	19.51	19.45	19.11	18.34	17.97	18.59	17.03	17.42
60	18.3	17.56	16.07	16.01	15.76	15.05	14.72	15.25	13.98	14.35
65	14.9	14.26	13.02	12.97	12.75	12.07	11.77	12.21	11.25	11.51
70	11.8	11.35	10.38	10.29	10.07	9.42	9.20	9.51	8.83	9.03
75	9.1	8.87	8.06	7.92	7.77	7.17	7.02	7.30	6.75	6.84
80	6.9	6.76	6.18	6.09	5.88	5.38	5.26	5.47	5.09	5.10
85	5.2	5.09	4.63	4.54	4.35	4.02	3.99	4.06	3.88	3.81
WHITE, FEMALE										
0	78.9	78.22	75.49	74.19	72.03	67.29	62.67	58.53	53.62	51.08
1	78.5	77.98	75.66	74.68	72.77	68.93	64.93	61.51	58.69	56.39
5	74.7	74.13	71.86	70.92	69.09	65.57	62.17	59.43	57.67	56.03
10	69.7	69.21	66.97	66.05	64.26	60.85	57.65	55.17	53.57	52.15
15	64.8	64.29	62.07	61.15	59.39	56.07	53.00	50.67	49.12	47.79
20	59.9	59.44	57.24	56.29	54.56	51.38	48.52	46.46	44.88	43.77
25	55.1	54.60	52.42	51.45	49.77	46.78	44.25	42.55	40.88	40.05
30	50.2	49.76	47.60	46.63	45.00	42.21	39.99	38.72	36.96	36.42
35	45.4	44.93	42.82	41.84	40.28	37.70	35.73	34.86	33.09	32.82
40	40.6	40.16	38.12	37.13	35.64	33.25	31.52	30.94	29.26	29.17
45	35.9	35.49	33.54	32.53	31.12	28.90	27.39	26.98	25.45	25.51
50	31.3	30.96	29.11	28.08	26.76	24.72	23.41	23.12	21.74	21.89
55	26.9	26.61	24.85	23.81	22.58	20.73	19.60	19.40	18.18	18.43
60	22.7	22.45	20.79	19.69	18.64	17.00	16.05	15.93	14.92	15.23
65	18.8	18.55	16.93	15.88	15.00	13.56	12.81	12.75	11.97	12.23
70	15.1	14.89	13.37	12.38	11.68	10.50	9.98	9.94	9.38	9.59
75	11.8	11.58	10.21	9.28	8.87	7.92	7.56	7.62	7.20	7.33
80	8.8	8.65	7.59	6.67	6.59	5.88	5.63	5.70	5.35	5.50
85	6.4	6.32	5.54	4.66	4.83	4.34	4.24	4.24	4.06	4.10
ALL OTHER										
0	71.3	69.84	64.95	63.91	60.73	---	---	---	---	---
1	71.4	70.19	66.02	65.75	62.65	---	---	---	---	---
5	67.6	66.43	62.36	62.21	59.25	---	---	---	---	---
10	62.7	61.56	57.53	57.41	54.50	---	---	---	---	---
15	57.8	56.67	52.68	52.57	49.73	---	---	---	---	---
20	53.1	51.93	48.08	47.88	45.19	---	---	---	---	---
25	48.5	47.34	43.71	43.35	40.85	---	---	---	---	---
30	43.9	42.82	39.37	38.89	36.59	---	---	---	---	---
35	39.5	38.34	35.12	34.56	32.44	---	---	---	---	---
40	35.1	33.97	31.05	30.39	28.48	---	---	---	---	---
45	30.9	29.78	26.46	26.46	24.75	---	---	---	---	---
50	26.8	25.85	23.58	22.74	21.38	---	---	---	---	---
55	23.0	22.21	20.24	19.45	18.41	---	---	---	---	---
60	19.4	18.88	17.19	16.53	15.87	---	---	---	---	---
65	16.2	15.86	14.47	13.96	13.59	---	---	---	---	---
70	13.3	13.06	12.04	11.63	11.48	---	---	---	---	---
75	10.7	10.61	10.09	9.52	9.48	---	---	---	---	---
80	8.3	8.38	8.36	7.28	7.62	---	---	---	---	---
85	6.6	6.63	6.62	5.27	5.79	---	---	---	---	---
ALL OTHER, MALE										
0	67.3	65.63	60.98	61.48	58.91	52.33	---	---	---	---
1	67.4	66.01	62.13	63.50	61.06	56.05	---	---	---	---
5	63.6	62.26	58.48	59.98	57.69	53.13	---	---	---	---
10	58.8	57.40	53.67	55.19	52.96	48.54	---	---	---	---
15	53.9	52.52	48.84	50.39	48.23	43.95	---	---	---	---
20	49.2	47.87	44.37	45.78	43.73	39.74	---	---	---	---
25	44.8	43.46	40.29	41.38	39.49	35.94	---	---	---	---
30	40.4	39.13	36.20	37.05	35.31	32.25	---	---	---	---
35	36.1	34.83	32.16	32.81	31.21	28.67	---	---	---	---
40	32.0	30.64	28.29	28.72	27.29	25.23	---	---	---	---
45	28.0	26.63	24.64	24.89	23.59	22.02	---	---	---	---
50	24.1	22.92	21.24	21.28	20.25	19.18	---	---	---	---
55	20.5	19.56	18.14	18.11	17.36	16.67	---	---	---	---
60	17.2	16.54	15.35	15.29	14.91	14.38	---	---	---	---
65	14.3	13.83	12.87	12.84	12.75	12.18	---	---	---	---
70	11.6	11.36	10.68	10.81	10.74	10.06	---	---	---	---
75	9.3	9.20	8.99	8.93	8.83	8.09	---	---	---	---
80	7.2	7.22	7.57	6.87	7.07	6.46	---	---	---	---
85	5.8	5.69	6.04	5.08	5.38	5.08	---	---	---	---

SECTION 6 - LIFE TABLES - PAGE 16

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix.]

Age, race, and sex	Number of survivors out of 100,000 born alive (<i>l_x</i>)									
	1987	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE										
0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	---	---	---
1	98,604	98,281	97,235	96,172	95,913	95,318	---	---	---	---
5	98,355	97,958	96,772	95,543	95,055	91,710	---	---	---	---
10	98,232	97,806	96,546	95,265	94,679	91,092	---	---	---	---
15	98,125	97,689	96,353	95,057	94,343	90,363	---	---	---	---
20	97,900	97,404	95,917	94,680	93,544	88,505	---	---	---	---
25	97,505	96,936	95,247	94,005	92,336	85,961	---	---	---	---
30	96,994	96,441	94,370	93,070	90,799	83,147	---	---	---	---
35	96,238	95,719	93,123	91,670	88,805	79,879	---	---	---	---
40	95,225	94,646	91,247	89,676	86,052	75,908	---	---	---	---
45	93,804	93,039	88,608	86,793	82,257	71,061	---	---	---	---
50	91,756	90,523	84,964	82,979	77,007	64,886	---	---	---	---
55	88,615	86,951	80,162	77,362	70,196	57,419	---	---	---	---
60	84,285	82,030	73,984	69,941	61,758	49,102	---	---	---	---
65	77,940	75,332	66,064	60,825	52,358	40,718	---	---	---	---
70	70,005	67,147	56,375	51,274	42,612	32,579	---	---	---	---
75	59,738	56,439	44,841	40,540	32,981	24,668	---	---	---	---
80	47,687	44,378	33,373	30,315	23,712	17,157	---	---	---	---
85	32,414	30,543	22,763	19,744	15,550	10,658	---	---	---	---
BLACK										
0	100,000	100,000	100,000	---	---	100,000	---	---	---	---
1	98,205	97,885	96,731	---	---	92,584	---	---	---	---
5	97,897	97,522	96,207	---	---	90,983	---	---	---	---
10	97,734	97,322	95,928	---	---	90,339	---	---	---	---
15	97,565	97,134	95,661	---	---	89,591	---	---	---	---
20	97,093	96,652	94,887	---	---	87,839	---	---	---	---
25	96,251	95,804	93,513	---	---	85,210	---	---	---	---
30	95,206	94,630	91,934	---	---	82,194	---	---	---	---
35	93,721	93,238	89,977	---	---	78,683	---	---	---	---
40	91,738	91,439	87,304	---	---	74,466	---	---	---	---
45	89,211	88,834	83,700	---	---	69,284	---	---	---	---
50	85,919	85,044	78,938	---	---	62,702	---	---	---	---
55	81,242	79,816	72,826	---	---	54,846	---	---	---	---
60	75,254	72,913	65,250	---	---	46,318	---	---	---	---
65	66,961	64,391	56,102	---	---	37,838	---	---	---	---
70	57,222	54,617	45,785	---	---	29,654	---	---	---	---
75	45,825	43,274	34,262	---	---	21,798	---	---	---	---
80	33,688	31,711	23,710	---	---	14,408	---	---	---	---
85	20,492	19,939	15,044	---	---	8,326	---	---	---	---
BLACK, MALE										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,026	97,703	96,394	---	---	91,772	91,268	89,499	78,065	74,674
5	97,687	97,300	95,826	---	---	90,082	88,412	85,195	68,589	64,385
10	97,495	97,061	95,497	---	---	89,393	87,311	83,768	66,377	61,730
15	97,273	96,826	95,161	---	---	88,610	86,152	82,332	64,478	59,667
20	96,572	96,132	94,053	---	---	86,968	83,621	79,057	61,426	56,733
25	95,284	94,827	91,904	---	---	84,227	79,516	74,540	57,736	53,285
30	93,730	93,125	89,584	---	---	80,979	75,083	70,344	54,073	49,867
35	91,596	91,080	86,885	---	---	77,221	70,049	65,873	49,865	46,541
40	88,730	88,490	83,441	---	---	72,780	64,710	61,353	45,414	42,989
45	85,245	84,997	78,976	---	---	67,346	58,432	56,589	40,563	39,230
50	80,909	80,065	73,282	---	---	60,495	51,748	51,880	35,427	34,766
55	74,997	73,413	66,101	---	---	52,426	44,436	46,581	29,754	29,987
60	67,853	64,980	57,457	---	---	43,833	36,790	40,506	23,750	24,194
65	58,401	55,061	47,485	---	---	35,371	29,314	34,042	17,806	19,015
70	47,615	44,213	36,925	---	---	27,236	21,741	26,923	12,295	13,829
75	35,694	32,717	25,921	---	---	19,456	14,419	18,854	7,494	8,892
80	23,947	22,017	16,560	---	---	12,186	8,239	11,615	3,894	4,831
85	12,865	12,383	9,648	---	---	6,444	3,660	5,605	1,747	2,030
BLACK, FEMALE										
0	100,000	100,000	100,000	---	---	100,000	100,000	100,000	100,000	100,000
1	98,389	98,073	97,076	---	---	93,416	92,796	91,251	81,493	78,525
5	98,113	97,751	96,598	---	---	91,906	90,185	87,149	72,768	68,056
10	97,980	97,590	96,369	---	---	91,308	89,201	85,607	70,508	65,111
15	97,869	97,450	96,172	---	---	90,594	88,088	83,954	68,218	62,384
20	97,630	97,180	95,729	---	---	88,736	85,078	80,154	64,764	59,053
25	97,209	96,754	95,035	---	---	86,198	81,067	75,359	61,430	55,795
30	96,634	96,150	94,114	---	---	83,384	76,816	70,633	58,281	52,773
35	95,741	95,338	92,807	---	---	80,092	72,192	65,857	54,595	49,567
40	94,539	94,137	90,817	---	---	76,084	67,271	61,130	50,568	46,146
45	92,860	92,322	88,001	---	---	71,157	61,365	56,230	45,947	42,279
50	90,502	89,563	84,168	---	---	64,885	54,920	50,780	40,886	37,681
55	86,965	85,653	79,177	---	---	57,314	47,074	44,742	35,415	33,124
60	82,163	80,293	72,820	---	---	48,928	38,761	37,954	28,908	27,524
65	75,119	73,266	64,716	---	---	40,504	30,852	31,044	22,302	21,995
70	66,577	64,729	54,873	---	---	32,354	23,341	24,107	15,871	16,140
75	55,830	53,831	43,193	---	---	24,502	16,576	17,216	10,657	11,066
80	43,470	41,686	31,756	---	---	17,039	10,822	11,151	6,324	6,708
85	28,317	28,004	21,358	---	---	10,622	6,033	5,972	3,029	3,567

SECTION 6 - LIFE TABLES - PAGE 17

Table 6-4. Life Table Values by Race and Sex: Death-Registration States, 1900-1902 to 1919-21, and United States, 1929-31 to 1987—Con.

[Alaska and Hawaii included beginning in 1959. For decennial periods prior to 1929-31, data are for groups of registration States as follows: 1900-1902 and 1909-11, 10 States and the District of Columbia; 1919-21, 34 States and the District of Columbia. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Age, race, and sex	Average number of years of life remaining (e_x)									
	1987	1979-81	1969-71	1959-61	1949-51	1939-41	1929-31	1919-21	1909-11	1900-1902
ALL OTHER, FEMALE										
0	75.2	74.00	69.05	66.47	62.70	55.51	---	---	---	---
1	75.3	74.31	70.01	68.10	64.37	58.47	---	---	---	---
5	71.4	70.53	66.34	64.54	60.93	55.47	---	---	---	---
10	66.5	65.64	61.49	59.72	56.17	50.83	---	---	---	---
15	61.6	60.73	56.60	54.85	51.36	46.22	---	---	---	---
20	56.7	55.88	51.85	50.07	46.77	42.14	---	---	---	---
25	52.0	51.11	47.19	45.40	42.35	38.31	---	---	---	---
30	47.2	46.39	42.61	40.83	38.02	34.52	---	---	---	---
35	42.6	41.72	38.14	36.41	33.82	30.83	---	---	---	---
40	38.0	37.16	33.87	32.16	29.82	27.31	---	---	---	---
45	33.5	32.77	29.80	28.14	26.07	24.00	---	---	---	---
50	29.2	28.59	25.97	24.31	22.67	21.04	---	---	---	---
55	25.2	24.66	22.37	20.89	19.62	18.44	---	---	---	---
60	21.3	20.99	19.02	17.83	16.95	16.14	---	---	---	---
65	17.8	17.60	15.99	15.12	14.54	13.95	---	---	---	---
70	14.6	14.44	13.30	12.46	12.29	11.81	---	---	---	---
75	11.6	11.68	11.06	10.10	10.15	9.80	---	---	---	---
80	8.9	9.17	9.01	7.66	8.15	8.00	---	---	---	---
85	6.9	7.19	7.07	5.44	6.15	6.38	---	---	---	---
BLACK										
0	69.4	68.52	64.11	---	---	53.85	---	---	---	---
1	69.7	68.99	65.27	---	---	57.15	---	---	---	---
5	65.9	65.25	61.62	---	---	54.13	---	---	---	---
10	61.0	60.38	56.79	---	---	49.50	---	---	---	---
15	56.1	55.49	51.94	---	---	44.89	---	---	---	---
20	51.4	50.75	47.34	---	---	40.73	---	---	---	---
25	46.8	46.18	43.00	---	---	36.91	---	---	---	---
30	42.3	41.69	38.70	---	---	33.17	---	---	---	---
35	37.9	37.28	34.48	---	---	29.53	---	---	---	---
40	33.7	32.98	30.46	---	---	26.06	---	---	---	---
45	29.6	28.87	26.65	---	---	22.82	---	---	---	---
50	25.6	25.03	23.11	---	---	19.94	---	---	---	---
55	21.9	21.50	19.83	---	---	17.43	---	---	---	---
60	18.5	18.29	16.83	---	---	15.18	---	---	---	---
65	15.4	15.37	14.16	---	---	13.02	---	---	---	---
70	12.6	12.67	11.77	---	---	10.93	---	---	---	---
75	10.1	10.32	9.89	---	---	8.97	---	---	---	---
80	7.9	8.17	8.20	---	---	7.31	---	---	---	---
85	6.4	6.54	6.54	---	---	5.91	---	---	---	---
BLACK, MALE										
0	65.2	64.10	60.00	---	---	52.26	47.55	47.14	34.05	32.54
1	65.5	64.60	61.24	---	---	55.93	51.08	51.63	42.53	42.46
5	61.7	60.86	57.60	---	---	52.95	48.69	50.18	44.25	45.06
10	56.8	56.01	52.79	---	---	48.34	44.27	45.99	40.65	41.90
15	51.9	51.14	47.96	---	---	43.74	39.83	41.75	36.77	38.26
20	47.3	46.48	43.49	---	---	39.52	35.95	38.36	33.46	35.11
25	42.9	42.09	39.45	---	---	35.72	32.67	35.54	30.44	32.21
30	38.6	37.81	35.40	---	---	32.05	29.45	32.51	27.33	29.25
35	34.4	33.60	31.42	---	---	28.48	26.39	29.54	24.42	26.16
40	30.4	29.51	27.61	---	---	25.06	23.36	26.53	21.57	23.12
45	26.6	25.61	24.03	---	---	21.88	20.59	23.55	18.85	20.09
50	22.9	22.03	20.69	---	---	17.92	17.92	20.47	16.21	17.34
55	19.5	18.79	17.66	---	---	16.60	15.46	17.50	13.82	14.69
60	16.2	15.89	14.93	---	---	14.37	13.15	14.74	11.67	12.62
65	13.5	13.29	12.53	---	---	12.21	10.87	12.07	9.74	10.38
70	10.9	10.94	10.40	---	---	10.11	8.78	9.58	8.00	8.33
75	8.7	8.90	8.76	---	---	8.17	6.99	7.61	6.58	6.60
80	6.8	7.03	7.35	---	---	6.58	5.42	5.83	5.53	5.12
85	5.6	5.61	5.92	---	---	5.34	4.30	4.53	4.48	4.04
BLACK, FEMALE										
0	73.6	72.88	68.32	---	---	55.56	49.51	46.92	37.67	35.04
1	73.8	73.31	69.37	---	---	58.46	52.33	50.39	45.15	43.54
5	70.0	69.54	65.70	---	---	55.40	49.81	48.70	46.42	46.04
10	65.1	64.65	60.85	---	---	50.75	45.33	44.54	42.84	43.02
15	60.2	59.74	55.97	---	---	46.13	40.87	40.36	39.18	39.79
20	55.3	54.90	51.22	---	---	42.04	37.22	37.15	36.14	36.89
25	50.5	50.13	46.57	---	---	38.20	33.93	34.35	32.97	33.90
30	45.8	45.43	42.00	---	---	34.40	30.67	31.48	29.61	30.70
35	41.2	40.79	37.56	---	---	30.83	27.47	28.58	26.44	27.52
40	36.7	36.28	33.32	---	---	27.19	24.30	25.60	23.34	24.37
45	32.3	31.94	29.31	---	---	23.89	21.39	22.61	20.43	21.36
50	28.1	27.84	25.52	---	---	20.95	18.60	19.76	17.65	18.67
55	24.1	24.00	21.97	---	---	18.38	16.27	17.09	14.98	15.88
60	20.4	20.42	18.66	---	---	16.10	14.22	14.69	12.78	13.60
65	17.1	17.13	15.67	---	---	13.95	12.24	12.41	10.82	11.38
70	13.9	14.05	13.02	---	---	11.82	10.38	10.25	9.22	9.62
75	11.1	11.37	10.85	---	---	9.81	8.62	8.37	7.55	7.90
80	8.6	8.95	8.87	---	---	8.02	6.90	6.58	6.05	6.48
85	6.8	7.09	7.00	---	---	6.41	5.48	5.22	5.09	5.10

SECTION 6 - LIFE TABLES - PAGE 18

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-87

[For selected years, life table values shown are estimates; see Technical Appendix. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Area and year	All races			White			All other						
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black			
							Both sexes	Male	Female	Both sexes	Male	Female	
UNITED STATES ¹													
1987	75.0	71.5	78.4	75.6	72.2	78.9	71.3	67.3	75.2	69.4	65.2	73.6	
1986	74.8	71.3	78.3	75.4	72.0	78.8	71.2	67.2	75.1	69.4	65.2	73.5	
1985	74.7	71.2	78.2	75.3	71.9	78.7	71.2	67.2	75.0	69.5	65.3	73.5	
1984	74.7	71.2	78.2	75.3	71.8	78.7	71.3	67.4	75.0	69.7	65.6	73.7	
1983	74.6	71.0	78.1	75.2	71.7	78.7	71.1	67.2	74.9	69.6	65.4	73.6	
1982	74.5	70.9	78.1	75.1	71.5	78.7	71.0	66.8	75.0	69.4	65.1	73.7	
1981	74.2	70.4	77.8	74.8	71.1	78.4	70.3	66.1	74.4	68.9	64.5	73.2	
1980	73.7	70.0	77.4	74.4	70.7	78.1	69.5	65.3	73.6	68.1	63.8	72.5	
1979	73.9	70.0	77.8	74.6	70.8	78.4	69.8	65.4	74.1	68.5	64.0	72.9	
1978	73.5	69.6	77.3	74.1	70.4	78.0	69.3	65.0	73.5	68.1	63.7	72.4	
1977	73.3	69.5	77.2	74.0	70.2	77.9	68.9	64.7	73.2	67.7	63.4	72.0	
1976	72.9	69.1	76.8	73.6	69.9	77.5	68.4	64.2	72.7	67.2	62.9	71.6	
1975	72.6	68.8	76.6	73.4	69.5	77.3	68.0	63.7	72.4	66.8	62.4	71.3	
1974	72.0	68.2	75.9	72.8	69.0	76.7	67.1	62.9	71.3	66.0	61.7	70.3	
1973	71.4	67.6	75.3	72.2	68.5	76.1	66.1	62.0	70.3	65.0	60.9	69.3	
1972 ²	71.2	67.4	75.1	72.0	68.3	75.9	65.7	61.5	70.1	64.7	60.4	69.1	
1971	71.1	67.4	75.0	72.0	68.3	75.8	65.6	61.6	69.8	64.6	60.5	68.9	
1970	70.8	67.1	74.7	71.7	68.0	75.6	65.3	61.3	69.4	64.1	60.0	68.3	
1969	70.5	66.8	74.4	71.4	67.7	75.3	64.5	60.6	68.6	---	---	---	
1968	70.2	66.6	74.1	71.1	67.5	75.0	64.1	60.4	67.9	---	---	---	
1967	70.5	67.0	74.3	71.4	67.8	75.2	64.9	61.4	68.5	---	---	---	
1966	70.2	66.7	73.9	71.1	67.5	74.8	64.2	60.9	67.6	---	---	---	
1965	70.2	66.8	73.8	71.1	67.6	74.8	64.3	61.2	67.6	---	---	---	
1964	70.2	66.8	73.7	71.0	67.7	74.7	64.2	61.3	67.3	---	---	---	
1963 ³	69.9	66.6	73.4	70.8	67.4	74.4	63.7	61.0	66.6	---	---	---	
1962 ³	70.1	66.9	73.5	70.9	67.7	74.5	64.2	61.6	66.9	---	---	---	
1961	70.2	67.1	73.6	71.0	67.8	74.6	64.5	62.0	67.1	---	---	---	
1960	69.7	66.6	73.1	70.6	67.4	74.1	63.6	61.1	66.3	---	---	---	
1959	69.9	66.8	73.2	70.7	67.5	74.2	63.9	61.3	66.5	---	---	---	
1958	69.6	66.6	72.9	70.5	67.4	73.9	63.4	61.0	65.8	---	---	---	
1957	69.5	66.4	72.7	70.3	67.2	73.7	63.0	60.7	65.5	---	---	---	
1956	69.7	66.7	72.9	70.5	67.5	73.9	63.6	61.3	66.1	---	---	---	
1955	69.6	66.7	72.8	70.5	67.4	73.7	63.7	61.4	66.1	---	---	---	
1954	69.6	66.7	72.8	70.5	67.5	73.7	63.4	61.1	65.9	---	---	---	
1953	68.8	66.0	72.0	69.7	66.8	73.0	62.0	59.7	64.5	---	---	---	
1952	68.6	65.3	71.6	69.5	66.6	72.6	61.4	59.1	63.8	---	---	---	
1951	68.4	65.6	71.4	69.3	66.5	72.4	61.2	59.2	63.4	---	---	---	
1950	68.2	65.6	71.1	69.1	66.5	72.2	60.8	59.1	62.9	---	---	---	
1949	68.0	65.2	70.7	68.8	66.2	71.9	60.6	58.9	62.7	---	---	---	
1948	67.2	64.6	69.9	68.0	65.5	71.0	60.0	58.1	62.5	---	---	---	
1947	66.8	64.4	69.7	67.6	65.2	70.5	59.7	57.9	61.9	---	---	---	
1946	66.7	64.4	69.4	67.5	65.1	70.3	59.1	57.5	61.0	---	---	---	
1945	65.9	63.6	67.9	66.8	64.4	69.5	57.7	56.1	59.6	---	---	---	
1944	65.2	63.6	66.8	66.2	64.5	68.4	56.6	55.8	57.7	---	---	---	
1943	63.3	62.4	64.4	64.2	63.2	65.7	55.6	55.4	56.1	---	---	---	
1942	66.2	64.7	67.9	67.3	65.9	69.4	56.6	55.4	58.2	---	---	---	
1941	64.8	63.1	66.8	66.2	64.4	68.5	53.8	52.5	55.3	---	---	---	
1940	62.9	60.8	65.2	64.2	62.1	66.6	53.1	51.5	54.9	---	---	---	
1939	63.7	62.1	65.4	64.9	63.3	66.6	54.5	53.2	56.0	---	---	---	
1938	63.5	61.9	65.3	65.0	63.2	66.8	52.9	51.7	54.3	---	---	---	
1937	60.0	58.0	62.4	61.4	59.3	63.8	50.3	48.3	52.5	---	---	---	
1936	58.5	56.6	60.6	59.8	58.0	61.9	49.0	47.0	51.4	---	---	---	
1935	61.7	59.9	63.9	62.9	61.0	65.0	53.1	51.3	55.2	---	---	---	
1934	61.1	59.3	63.3	62.4	60.5	64.6	51.8	50.2	53.7	---	---	---	
1933	63.3	61.7	65.1	64.3	62.7	66.3	54.7	53.5	56.0	---	---	---	
1932	62.1	61.0	63.5	63.2	62.0	64.5	53.7	52.8	54.6	---	---	---	
1931	61.1	59.4	63.1	62.6	60.8	64.7	50.4	49.5	51.5	---	---	---	
1930	59.7	58.1	61.6	61.4	59.7	63.5	48.1	47.3	49.2	---	---	---	
1929	57.1	55.8	58.7	58.6	57.2	60.3	46.7	45.7	47.8	---	---	---	

SECTION 6 - LIFE TABLES - PAGE 19

Table 6-5. Estimated Average Length of Life in Years, by Race and Sex: Death-Registration States, 1900-28, and United States, 1929-87—Con.

[For selected years, life table values shown are estimates; see Technical Appendix. Beginning 1970 excludes deaths of nonresidents of the United States; see Technical Appendix]

Area and year	All races			White			All other					
	Both sexes	Male	Female	Both sexes	Male	Female	Total			Black		
							Both sexes	Male	Female	Both sexes	Male	Female
DEATH-REGISTRATION STATES												
1928	56.8	55.6	58.3	58.4	57.0	60.0	46.3	45.6	47.0	---	---	---
1927	60.4	59.0	62.1	62.0	60.5	63.9	48.2	47.6	48.9	---	---	---
1926	56.7	55.5	58.0	58.2	57.0	59.6	44.6	43.7	45.6	---	---	---
1925	59.0	57.6	60.6	60.7	59.3	62.4	45.7	44.9	46.7	---	---	---
1924	59.7	58.1	61.5	61.4	59.8	63.4	46.6	45.5	47.8	---	---	---
1923	57.2	56.1	58.5	58.3	57.1	59.6	48.3	47.7	48.9	---	---	---
1922	59.6	58.4	61.0	60.4	59.1	61.9	52.4	51.8	53.0	---	---	---
1921	60.8	60.0	61.8	61.8	60.8	62.9	51.5	51.6	51.3	---	---	---
1920	54.1	53.6	54.6	54.9	54.4	55.6	45.3	45.5	45.2	---	---	---
1919	54.7	53.5	56.0	55.8	54.5	57.4	44.5	44.5	44.4	---	---	---
1918	39.1	36.6	42.2	39.8	37.1	43.2	31.1	29.9	32.5	---	---	---
1917	50.9	48.4	54.0	52.0	49.3	55.3	38.8	37.0	40.8	---	---	---
1916	51.7	49.6	54.3	52.5	50.2	55.2	41.3	39.6	43.1	---	---	---
1915	54.5	52.5	56.8	55.1	53.1	57.5	38.9	37.5	40.5	---	---	---
1914	54.2	52.0	56.8	54.9	52.7	57.5	38.9	37.1	40.8	---	---	---
1913	52.5	50.3	55.0	53.0	50.8	55.7	38.4	36.7	40.3	---	---	---
1912	53.5	51.5	55.9	53.9	51.9	56.2	37.9	35.9	40.0	---	---	---
1911	52.6	50.9	54.4	53.0	51.3	54.9	36.4	34.6	38.2	---	---	---
1910	50.0	48.4	51.8	50.3	48.6	52.0	35.6	33.8	37.5	---	---	---
1909	52.1	50.5	53.8	52.5	50.9	54.2	35.7	34.2	37.3	---	---	---
1908	51.1	49.5	52.8	51.5	49.9	53.3	34.9	33.8	36.0	---	---	---
1907	47.6	45.6	49.9	48.1	46.0	50.4	32.5	31.1	34.0	---	---	---
1906	48.7	46.9	50.8	49.3	47.3	51.4	32.9	31.8	33.9	---	---	---
1905	48.7	47.3	50.2	49.1	47.6	50.6	31.3	29.6	33.1	---	---	---
1904	47.6	46.2	49.1	48.0	46.6	49.5	30.8	29.1	32.7	---	---	---
1903	50.5	49.1	52.0	50.9	49.5	52.5	33.1	31.7	34.6	---	---	---
1902	51.5	49.8	53.4	51.9	50.2	53.8	34.6	32.9	36.4	---	---	---
1901	49.1	47.6	50.6	49.4	48.0	51.0	33.7	32.2	35.3	---	---	---
1900	47.3	46.3	48.3	47.6	46.6	48.7	33.0	32.5	33.5	---	---	---

¹ Alaska included in 1959 and Hawaii in 1960.

² Deaths based on a 50-percent sample.

³ Figures by race exclude data for residents of New Jersey; see Technical Appendix.

United States of America
Department of Health and Human Services
CERTIFICATION OF TRUE COPY

Pursuant to the provision of 42, U.S.C. 3505 and the authority vested in me by the Secretary (43 FR 58871), I hereby certify that this publication is a true copy of the document on file in the Department of Health and Human Services.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the Department of Health and Human Services to be affixed on this _____ day of _____ 19 _____.

Chief, Scientific and Technical Information Branch
Division of Data Services
National Center for Health Statistics
Centers for Disease Control
Public Health Service